

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 3, 2004, 17:03:47 ; Search time 2100 Seconds
(without alignments)
17777.214 Million cell updates/sec

Title: US-09-483-184A-1
Perfect score: 8253
Sequence: 1 tctagagcacaatgtgcctt.....gttcctgttctgtatctaga 8253

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 2936184 seqs, 2261732022 residues

Word size : 0
Total number of hits satisfying chosen parameters: 5872368

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published Applications NA:
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:
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19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4650	56.3	23524	16	US-10-085-117-268
2	2937	35.6	3934	10	US-09-960-706-637
3	2937	35.6	3934	13	US-10-236-392-11
4	2818	34.1	3946	13	US-10-007-573-1
5	1866	22.6	3953	16	US-10-443-108-7
6	1626	19.7	6012	10	US-09-971-429B-21
7	1626	19.7	6012	14	US-10-002-600-43
8	1434	17.4	2430	16	US-10-085-117-269
9	1344	16.3	2875	15	US-10-247-671-28
10	679	8.2	1053	9	US-10-085-117-270
C 11	433	5.2	624	16	US-09-796-692-8824
C 12	433	5.2	624	15	US-10-040-862-8824
C 13	433	5.2	624	16	US-10-057-475B-8824
C 14	433	5.2	624	16	US-10-154-884B-8824

C 15	404	4.9	576	9	US-09-796-692-9029	Sequence 9029, Ap
C 16	404	4.9	576	15	US-10-040-862-9029	Sequence 9029, Ap
C 17	404	4.9	576	16	US-10-057-475B-9029	Sequence 9029, Ap
C 18	404	4.9	576	16	US-10-154-884B-9029	Sequence 9029, Ap
C 19	382	4.6	484	9	US-09-998-598-1774	Sequence 1774, Ap
C 20	312	3.8	499	9	US-09-796-692-7848	Sequence 7848, Ap
C 21	312	3.8	499	15	US-10-040-862-7848	Sequence 7848, Ap
C 22	312	3.8	499	16	US-10-057-475B-7848	Sequence 7848, Ap
C 23	312	3.8	499	16	US-10-154-884B-7848	Sequence 7848, Ap
C 24	287	3.5	397	10	US-09-918-995-12017	Sequence 12017, A
C 25	284	3.4	672	16	US-10-264-049-1422	Sequence 1422, Ap
C 26	282	3.4	421	10	US-09-918-995-15455	Sequence 15455, A
C 27	257	3.1	415	10	US-09-918-995-8269	Sequence 8269, Ap
C 28	251	3.0	610	13	US-10-236-392-17	Sequence 17, Appl
C 29	251	3.0	557	13	US-10-236-392-15	Sequence 15, Appl
C 30	251	3.0	724	13	US-10-236-392-13	Sequence 13, Appl
C 31	249	3.0	406	10	US-09-918-995-25820	Sequence 25820, A
C 32	231	2.8	334	13	US-10-085-783A-55184	Sequence 55184, A
C 33	231	2.8	334	16	US-10-242-533A-55184	Sequence 55184, A
C 34	193	2.3	238	9	US-09-867-701-8299	Sequence 8299, Ap
C 35	188	2.3	546	9	US-09-796-692-5538	Sequence 5538, Ap
C 36	188	2.3	546	15	US-10-040-862-5538	Sequence 5538, Ap
C 37	188	2.3	546	16	US-10-057-475B-5538	Sequence 5538, Ap
C 38	188	2.3	546	16	US-10-154-884B-5538	Sequence 5538, Ap
C 39	187	2.3	229	9	US-09-998-598-1904	Sequence 1904, Ap
C 40	187	2.3	258	9	US-09-998-598-1901	Sequence 1901, Ap
C 41	166	2.0	499	9	US-09-796-692-7951	Sequence 7951, Ap
C 42	166	2.0	499	15	US-10-040-862-7951	Sequence 7951, Ap
C 43	166	2.0	499	16	US-10-057-475B-7951	Sequence 7951, Ap
C 44	166	2.0	499	16	US-10-154-884B-7951	Sequence 7951, Ap
C 45	149	1.8	922	9	US-09-764-860-1112	Sequence 1112, Ap

ALIGNMENTS

RESULT 1

US-10-085-117-268
; Sequence 268, Application US/10085117
; Publication No. US20030232334A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 268
; LENGTH: 23524
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)....(23524)
; OTHER INFORMATION: n = any nucleotide
US-10-085-117-268

Query Match 56.3%; Score 4650; DB 16; Length 23524;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 8230; Conservative 0; Mismatches 14; Indels 29; Gaps 19;
Qy 1 TCTAGAGTCAAAATGTGCCTTATTATCATGACAAAATAAATGTCAGCTGGTGCAGT 60
Db 8324 TCTAGAGTCAAAATGTGCCTTATTATCATGACAAAATAAATGTCAGCTGGTGCAGT 8363
Qy 61 GACTCACCTGTGAATCCACGACCTTTAAGAGCTGAGGAGGTGGATCACCTGAGGCCA 120
Db 8384 GACTCACCTGTGAATCCACGACCTTTAAGAGCTGAGGAGGTGGATCACCTGAGGCCA 8443

10604	DB	CTTCCGGGACGAGGCCACCGGCGCCAAAGGACACAAAGCCAAATGGGCGAGGTCTGGGGCCAC	10661
2341	QY	CACGAGAAAGGCGCTGGAGACCTTATACGACGGGTTCGGGATGCGCTGCAGCCAAACACACGA	2400
10664	DB	CACGAGAAAGGCGCTGAGACCTTACGACGGGTTCGGGATGCGCTGCAGCCAAACACACGA	10723
2401	QY	GACGTCCTCCAAAGTAAAGGGGTTCATTAAATCGCCAAAGGCTCACTCCCTTTTTCAT	2460
10724	DB	GACGGCTCTCCAAAGTAAAGGGGTTCATTAAATCGCCAAAGGCTCACTCCCTTTTTCAT	10783
2461	QY	CTCTCCCCGGAATCACTCTCCCAAGGTGGGTTCGAAACCGAAACGAGTCAGTGTGAAAC	2520
10784	DB	CTCTCCCGGACTCACCCCGCAAGGTGGGTTCGAAACCGAAACGAGTCAGTGTGAAAC	10843
2521	QY	GTGTCATGCTTAATCTCTGAAGCAGAAATTTCTGGCCATAGTCAATTTGTTTCGCCCAT	2580
10844	DB	GTGTCATGCTTAATCTCTGAAGCAGAAATTTCTGGCCATAGTCAATTTGTTTCGCCCAT	10903
2581	QY	CTTGATTCTTTTGGAAATGCGAGCTCTCTGTCAAAGACGGAAAGGGTGGCATGTCAATT	2640
10904	DB	CTTGATTCTTTTGGAAATGCGAGCTCTCTGTCAAAGACGGAAAGGGTGGCATGTCAATT	10963
2641	QY	TCAAGTGGGTCAACTGAGTTCTGTAATCCCACTAGCGATTTTCCCGCCGCGGTGGG	2700
10964	DB	TCAAGTGGGTCAACTGAGTTCTGTAATCCCACTAGCGATTTTCCCGCCGCGGTGGG	11023
2701	QY	CAGCGAAATCTGCGCGGTTTAGACAAAGGAGGCGGTGAGACCTGCATGCTTTCTTT	2760
11024	DB	CAGCGAAATCTGCGCGGTTTAGACAAAGGAGGCGGTGAGACCTGCATGCTTTCTTT	11083
2761	QY	CTCAGGCATGCTTCGGAACCTGCATCAAAAACGAAGACGATGTGAATCGTTGTCTCG	2820
11084	DB	CTCAGGCATGCTTCGGAACCTGCATCAAAAACGAAGACGATGTGAATCGTTGTCTCG	11143
2821	QY	AGTGATGATCCATGTTTTAGCGACGGCGTAAACAACTGGGCGCAGATTTGACTCTCAT	2880
11144	DB	AGTGATGATCCATGTTTTAGCGACGGCGTAAACAACTGGGCGCAGATTTGACTCTCAT	11203
2881	QY	TTCTTTTGGTGCCTTTGTGGCTAAACACTTGAAGACCAATAAACCAAGAAAGCTGCATCGA	2940
11204	DB	TTCTTTTGGTGCCTTTGTGGCTAAACACTTGAAGACCAATAAACCAAGAAAGCTGCATCGA	11263
2941	QY	ACCATTAGCAGAAAGTATCACAGCGTTCTGTAAAGACAAACCGGACTGGCTAGTTAA	3000
11264	DB	ACCATTAGCAGAAAGTATCACAGCGTTCTGTAAAGACAAACCGGACTGGCTAGTTAA	11323
3001	QY	ACAAAGGCGTGSTAGTTTGCTTTAAGGATGAAGGGCCCTTCGAGTGGAGTGGAGT	3060
11324	DB	ACAAAGGCGTGSTAGTTTGCTTTAAGGATGAAGGGCCCTTCGAGTGGAGTGGAGT	11378
3061	QY	AGAATGAAGGATTTTTTTAGAGAGTGGGATATCTAAAGTTTTTATAGCGACGGCT	3120
11379	DB	AGAATGAAGGATTTTTTTAGAGAGTGGGATATCTAAAGTTTTTATAGCGACGGCT	11438
3121	QY	GTTTGCAGGCTCTAACTTAAGGACCACTGTTTATTTGAT- - - - -TTTAAAGTAGTGGATCC	3176
11439	DB	GTTTGCAGGCTCTAACTTAAGGACCACTGTTTATTTGATGTTTAAAGTAGTGGATCC	11498
3177	QY	TTAGATAGTGTGTATGCGGCTCTTCAATTTGATCAAAATCTTGTTTTCTCTAGGCAA	3236
11499	DB	TTAGATAGTGTGTATGCGGCTCTTCAATTTGATCAAAATCTTGTTTTCTCTAGGCAA	11558
3237	QY	TTTTTTTGTCCAAATCAGTTGAATCTCTTCAGTGAATTCAAACCATGAAAATTAAGTC	3296
11559	DB	TTTTTTTGTCCAAATCAGTTGAATCTCTTCAGTGAATTCAAACCATGAAAATTAAGTC	11618
3297	QY	ACCAGGGGAGGATAGCTGAAATAATTTCTTAAGCGGTGCTGTTTTTAATGGAGAGATAT	3356
11619	DB	ACCAGGGGAGGATAGCTGAAATAATTTCTTAAGCGGTGCTGTTTTTAATGGAGAGATAT	11678
3357	QY	GGGCTGAGCGCTGGTTTTAAACAAACCCAGATCTGATCGAGATGTACTTAACTACGTT	3416
11679	DB	GGGCTGAGCGCTGGTTTTAAACAAACCCAGATCTGATCGAGATGTACTTAACTACGTT	11738

Qy	3417	GAGAAAACGTGATCTGGCGAANTTGAGCGGTACTGAAATATATAGCTGTGAGATTTTCAG	3476
Db	11739	GAGAAAACGTGATCTGCGCAANTTGAGCGGTACTGAAATATATAGCTGTGAGATTTTCAG	11798
Qy	3477	AATAAGGGTTTTCGTCTTTTACTCTCATGGGAACCTCGGAAGTCCTTTTGTGTAGATAAAT	3536
Db	11799	AATAAGGGTTTTCGTCTTTTACTCTCATGGGAACCTCGGAAGTCCTTTTGTGTAGATAAAT	11858
Qy	3537	CCTAATAAGACCTTGATAGTACTGTGTAATAATGAAGTTTAATATCATGCGGTCCCCTTAA	3596
Db	11859	CCTAATAAGACCAAGATAGTACTGTGTAATAATGAAGTTTAATATCATGCGGTCCCCTTAA	11918
Qy	3597	GAACACTGAAGAACTTAATTTCTTTTGTCCCGGGGTGAATAATAATTTGGTTTACTATT	3656
Db	11919	GAACACTGAAGAACTTAATTTCTTTTGTCCCGGGGTGAATAATAATTTGGTTTACTATT	11978
Qy	3657	GCCTTAGGGGAAAACCTTAGATATTTTAATTTACCTCTCTGATGATAGTGTGTTA	3716
Db	11979	GCCTTAGGGGAAAACCTTAGATATTTTAATTTACCTCTCTGATGATAGTGTGTTA	12038
Qy	3717	AGAGAGCAGAAACCCATTCTTGAAAATGTCTTTTCTTTTGTGTCTTAGGATGGGTTT	3776
Db	12039	AGAGAGCAGAAACCCATACTTGAAAATGTCTTTTCTTTTGTGTCTTAGGATGGGTTT	12098
Qy	3777	GTGGAGTTCTTCAATGTAGAGACCTAGAAAGTGGCATCAGGAATGCTGCTGCTTTT	3836
Db	12099	GTGGAGTTCTTCAATGTAGAGACCTAGAAAGTGGCATCAGGAATGCTGCTGCTGCTTTT	12158
Qy	3837	GCAGGTGTTGCTGGAGTAGGAGCTGGTTTGGCATATCTAATAAGATAGCCTTACTGTAAAG	3896
Db	12159	GCAGGTGTTGCTGGAGTAGGAGCTGGTTTGGCATATCTAATAAGATAGCCTTACTGTAAAG	12218
Qy	3897	TGCAATAGTTGACTTTTAACCAACACACACACACCAACCAACCAAGTTATGACGTTGAC	3956
Db	12219	TGCAATAGTTGACTTTTAACCAACACACACACACCAACCAAGTTATGACGTTGAC	12278
Qy	3957	TCCAAGCTGTAACTTCTCTAGAGTTGCACCTAGCAACCTAGCCAGAAAGCAAGTGGCAA	4016
Db	12279	TCCAAGCTGTAACTTCTCTAGAGTTGCACCTAGCAACCTAGCCAGAAAGCAAGTGGCAA	12338
Qy	4017	GAGGATTTGGCTTAAACAGAAATAATACATGGAAGAGTGCTCCCCATTGATTGAAGAGT	4076
Db	12339	GAGGATTTGGCTTAAACAGAAATAATACATGGAAGAGTGCTCCCCATTGATTGAAGAGT	12398
Qy	4077	CACGTCTGAAGAAGCAAAAGTTTCAGTTTCAGCAACAAACAACTTTGTTGGGAAGCTA	4136
Db	12399	CACGTCTGAAGAAGCAAAAGTTTCAGTTTCAGCAACAAACAACTTTGTTGGGAAGCTA	12458
Qy	4137	TGGAGGAGGACTTTTAGATTTAGTGAAGATGTTAGGGTGGAAAGACTTAATTTCCCTGTT	4196
Db	12459	TGGAGGAGGACTTTTAGATTTAGTGAAGATGTTAGGGTGGAAAGACTTAATTTCCCTGTT	12518
Qy	4197	GAGAACGGAAGTGGCCAGTAGCCAGGCAAGTCATAGAAATGATACCCCGCGAATTCAC	4256
Db	12519	GAGAACGGAAGTGGCCAGTAGCCAGGCAAGTCATAGAAATGATACCCCGCGAATTCAC	12578
Qy	4257	TTAATTTACTGTAGTAGTGTGTTAAGAGAGACCTAAGAAATGCCAGGTGACCTGTGTAAGT	4316
Db	12579	TTAATTTACT--GTAGTGTGAAGAGACCTAAGAAATGCCAGGTGACCTGTGTAAGT	12635
Qy	4317	TACAAGTAATAGAACTATGACTGTAGACCTCAGTACTGTAACAGGGAAGCTTTTCCCTC	4376
Db	12636	TACAAGTAATAGAACTATGACTGTAGACCTCAGTACTGTAACAGGGAAGCTTTTCCCTC	12695
Qy	4377	TCTAATTTAGCTTTCCCAAGTATCTCTTAGAAGTCCAAAGTGTTCAGGACTTTTATACCT	4436
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Qy	4437	GTTATACCTTTGGCTTGG--TTCAGAGATTCCTTACTTTATTTAGGCTTAGTTATCACCAATAA	4495
Db	12756	GTTATACCTTTGGCTTGGTTTCATGATCTCTACTTTATTTAGGCTTAGTTATCACCAATAA	12815

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Db 12816 TACTTGCAGGAGGCTCAGTAATAGTATGGAATATGGATATCTCAATCTTAAGACAG 12875
QY 4556 CTTCGTAATGATTTGTAATAATTTGTAATAATTTTACAGAAAGCTCAATTTCTTTGAAAC 4615
Db 12876 CTTCGTAATGATTTGTAATAATTTGTAATAATTTTACAGAAAGCTCAATTTCTTTGAAAC 12935
QY 4616 GAAGGAAGTATCGAATTTACATTAATTTTCTTATACCTTTTGAACCTTTGCAACTCCG 4675
Db 12936 GAAGGAAGTATCGAATTTACATTAATTTTCTTATACCTTTTGAACCTTTGCAACTCCG 12995
QY 4676 TAAATTAGGAACCTGTTCTTACAGCTTTCTATGCTAAACCTTTCTGTTCACTGTTCTAG 4735
Db 12996 TAAATTAGGAACCTGTTCTTACAGCTTTCTATGCTAAACCTTTCTGTTCACTGTTCTAG 13055
QY 4736 AGTGATACAGAACGAANTGATGTGTAAGTACTGTATGCGACAGCTGGTTGTAGTGGAAACAATC 4795
Db 13056 AGTGATACAGAACGAANTGATGTGTAAGTACTGTATGCGACAGCTGGTTGTAGTGGAAACAATC 13115
QY 4796 TGATAAATATCAGAGTTTAAATTTCTTATCTGATTTTGGTAAGTATTTCTTATAGTAGG- 4854
Db 13116 TGATAAATATCAGAGTTTAAATTTCTTATCTGATTTTGGTAAGTATTTCTTATAGTAGG 13175
QY 4855 TTTTCTTTGAAACCTCGGATTTGAGAGTTGATGAATGGAATTTCTTCACTTCAATTA 4914
Db 13176 TTTTCTTTGAAACCTCGGATTTGAGAGTTGATGAATGGAATTTCTTCACTTCAATTA 13235
QY 4915 TGCAGTTTCAATAATTAAGTCTTAAGTGGAGTTTAAAGTTACTGATGATCTACAATA 4974
Db 13236 TGCAGTTTCAATAATTAAGTCTTAAGTGGAGTTTAAAGTTACTGATGATCTACAATA 13295
QY 4975 ATGGGCTGATTTGGGCAATCACTCAATTTGAGTTCTCTTCCATTTGACCTAAATTTAACTGGT 5034
Db 13296 ATGGGCTGATTTGGGCAATCACTCAATTTGAGTTCTCTTCCATTTGACCTAAATTTAACTGGT 13355
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Db 13356 GAAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTAAAGATTTTTCAGCTG 13415
QY 5095 AATGGAACCTATTAAGTCTGTGTCATATAAAGATCAATCAGGTGGATGGAGAGACAT 5154
Db 13416 AATGGAACCTATTAAGTCTGTGTCATATAAAGATCAATCAGGTGGATGGAGAGACAT 13475
QY 5155 TGATCCCTTTGTTGTTAAATAATTAATAATGATGGTTGGAAAGAGAGCTAGTCTAA 5214
Db 13476 TGATCCCTTTGTTGTTAAATAATTAATAATGATGGTTGGAAAGAGAGCTAGTCTAA 13535
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Db 13536 CCATGGTCTATTAATAGGCTTGTGTTACACACAGAGTCTAAGCTTAGTATGTCAT 13595
QY 5275 AAAGCAAACTACTACTGTTTGTCTTATTAATGATTTCCCAAACTTTGTCGAAGTTT 5334
Db 13596 AAAGCAAACTACTACTGTTTGTCTTATTAATGATTTCCCAAACTTTGTCGAAGTTT 13655
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Db 13656 GCATTTGCATCTTTGGAATTCAGTCTGATCTTTGTTCTATCAGACTTAACCTTTTAT 13715
QY 5395 CCTGTCCTTTGAAATTTGCTGATTTCTGCTCCCTCTACAGATATTTATCAATTC 5454
Db 13716 CCTGTCCTTTGAAATTTGCTGATTTCTGCTCCCTCTACAGATATTTATCAATTC 13775
QY 5455 CTACAGCTTTCCCTGCAATCCCTGAACTCTTTCTAGCCCTTTTATGATTTGGCAGCTGTG 5514
Db 13776 CTACAGCTTTCCCTGCAATCCCTGAACTCTTTCTAGCCCTTTTATGATTTTGGCAGCTGTG 13835
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Db 13836 AAACCCCTGCTGGAAACCTGAGTGACCTCCCTCCCAAGAGTCCACAGACCTTTCA 13895
QY 5575 TCCTTACGAACCTGATCTCTGTAGCAGGTTGATACCATCAGGTTGCTGTGACACTAACA 5634

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Db 14076 CATTTTATCAGGCTTTCTCTAAAGTTTCTTTGTATAGAGTATGCTCACCTTAAATTTTAC 14135
QY 5815 AGAAGAGGTGAGCTGTGTTTAAACCTCAGAGTTTAAAGCTACTGATTAACCTGAGAAG 5874
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QY 5875 TGTCTATATTGGAACCTAGGCTCATTTGAAAGCTTCAGTCTCGGAACATGACCTTTAGTCT 5934
Db 14196 TGTCTATATTGGAACCTAGGCTCATTTGAAAGCTTCAGTCTCGGAACATGACCTTTAGTCT 14255
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QY 5995 GCCTGCTGCTCCATCTCAGAGCCATAAGTCTCATCTTGTCTAGACTATTTTACTATG 6054
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QY 6055 TATTTATCTCTTGTATCATAAAGCCCTTATTTATATCATGATCTCTAAGAACCTTAAAA 6114
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Db 14496 CTGCCAAATCCAGTGGAAACAAAGTGCATAGATGTGAATTTGGTTTTAGGGGCCACTTC 14555
QY 6233 CCAATTCATAGGTATGACTGTGGAATACAGACAGGA-CTTAGTCTGATTTTGGGCT 6291
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QY 6351 GTTTATA-GGGAGAGGAGGAGGAGTGTCTAAGTCTGACTGGCTAGCTAGTTCGGCA 6409
Db 14676 GTTTATAGGGAGGAGGAGGAGTGTCTAAGTCTGACTGGCTAGCTAGTTCGGCA 14735
QY 6410 AATCTCCAAAAGGAAAGGAGGAGTGTCTAGAGGATGGGGCTCCAGTGCATCTACT 6469
Db 14736 AATCTCCAAAAGGAAAGGAGGAGTGTCTAGAGGATGGGGCTCCAGTGCATCTACT 14795
QY 6470 TTTGACTCTGTTGTCTTACGCTTCTCAGGGAAGAAACATGCACTGCTCTAGTGTTC 6529
Db 14796 TTTGACTCTGTTGTCTTACGCTTCTCAGGGAAGAAACATGCACTGCTCTAGTGTTC 14855
QY 6530 ATGTACATTTCTGTTGGGGTGAACACCTTGGTTCTGGTTTAAACAGCTGTACTTTTATAG 6589
Db 14856 ATGTACATTTCTGTTGGGGTGAACACCTTGGTTCTGGTTTAAACAGCTGTACTTTTATAG 14915
QY 6590 CTGTGCCAGGAAGGTTAGGACCAACTACAAATTAATGTTGTTGTTCAAAATGATGTGT 6649
Db 14916 CTGTGCCAGGAAGGTTAGGACCAACTACAAATTAATGTTGTTGTTGTTCAAAATGATGTGT 14975
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Db 1116 TTACTGTAAGTGCATAGTGGCTTTTAA CCAACCACCACCACCACCACCACCAAGCTTTAT 1175
Qy 3947 GCAGTTGGACTCCAGAGCTGTAACCTCTAGAGTTGCACTAGAGCAACCTAGCGCAAGAAAG 4006
Db 1176 GCAGTTGGACTCCAGAGCTGTAACCTCTAGAGTTGCACTAGAGCAACCTAGCGCAAGAAAG 1235
Qy 4007 CAAGTGGCAAGAGATATAGCTTAACAAGATAAATACATGGGAAGAGTGCTCCCAATG 4066
Db 1236 CAAGTGGCAAGAGATATAGCTTAACAAGATAAATACATGGGAAGAGTGCTCCCAATG 1295
Qy 4067 ATTGAAGAGTCACTGTCTGAAAGAGCAAAAGTTAGTTTTCAGTTCAGCAACAAACAACTTTGTT 4126
Db 1296 ATTGAAGAGTCACTGTCTGAAAGAGCAAAAGTTAGTTTTCAGTTCAGCAACAAACAACTTTGTT 1355
Qy 4127 TGGGAGCTATGGAGGAGCACTTTTAGATTTAGTTAGAGATGGTAGGTTGGAAGACTTAA 4186
Db 1356 TGGGAGCTATGGAGGAGCACTTTTAGATTTAGTTAGAGATGGTAGGTTGGAAGACTTAA 1415
Qy 4187 TTTCCCTCTCTGAGAACAGAAAGTGGCCAGTAGCCAGGCAAGTCAATAGAAATTGATTACCC 4246
Db 1416 TTTCCCTCTCTGAGAACAGAAAGTGGCCAGTAGCCAGGCAAGTCAATAGAAATTGATTACCC 1475
Qy 4247 GCCGAATTCATTAATTTACTGTAGTGTGTTAAGAGAGCACTAAGAAATGCCAGTACCT 4306
Db 1476 GCCGAATTCATTAATTTACTGTAGTGTGTTAAGAGAGCACTAAGAAATGCCAGTACCT 1535
Qy 4307 GTGTAAAGAGTTACAAGTAATAGAACTATGACTGTAAAGCCTCAGTACTGTCAAGGGGAGC 4366
Db 1536 GTGTAAAGAGTTACAAGTAATAGAACTATGACTGTAAAGCCTCAGTACTGTCAAGGGGAGC 1595
Qy 4367 TTTTCCTCTCTCTAATTTAGCTTTCCAGTATACCTTTAGAAAGTCCAAAGTTTCAGGAC 4426
Db 1596 TTTTCCTCTCTCTAATTTAGCTTTCCAGTATACCTTTAGAAAGTCCAAAGTTTCAGGAC 1655
Qy 4427 TTTTATACCTGTATACCTTTGCTGTGTTCCATGATCTTACTTTTATAGCTAGTTTAT 4486
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Qy 4487 CACCAATTAATTTGACGGAAGGCTCAGTAATAGTTATGAAATGGAATTCCTCAATTC 4546
Db 1716 CACCAATTAATTTGACGGAAGGCTCAGTAATAGTTATGAAATGGAATTCCTCAATTC 1775
Qy 4547 TTAGACAGCTGTGAATGTAATTTGTAAGAAATTCATATATATTTTACAGAAAGTCTATTT 4606
Db 1776 TTAGACAGCTGTGAATGTAATTTGTAAGAAATTCATATATATTTTACAGAAAGTCTATTT 1835
Qy 4607 CCTTGAAACGGAAGGATATCGAATTTACATAGTATTTTTCATACCCCTTTTGAACCTTG 4666
Db 1836 CCTTGAAACGGAAGGATATCGAATTTACATAGTATTTTTCATACCCCTTTTGAACCTTG 1895
Qy 4667 CAACCTCCGTAAATTAGGAACCTGTTCTTACAGCTTTTCTATGCTAACTTTGTTCTGTT 4726
Db 1896 CAACCTCCGTAAATTAGGAACCTGTTCTTACAGCTTTTCTATGCTAACTTTGTTCTGTT 1955
Qy 4727 CAGTTCTAGAGTGATACAGAACGAATGATGTGTAAGTATGATGCTAGACTGGTTGTAGTG 4786
Db 1956 CAGTTCTAGAGTGATACAGAACGAATGATGTGTAAGTATGATGCTAGACTGGTTGTAGTG 2015
Qy 4787 GAACAAATCTGATTAACATAGCAGGTTTAAATTTTCTATCTGATTTTGGTAAGTATTCCT 4846
Db 2016 GAACAAATCTGATTAACATAGCAGGTTTAAATTTTCTATCTGATTTTGGTAAGTATTCCT 2075
Qy 4847 TAGATAGCTTTCTTTGAAACCTGGGATTCAGAGGTTGATGAATGGAATTCCTTCACAT 4906
Db 2076 TAGATAGCTTTCTTTGAAACCTGGGATTCAGAGGTTGATGAATGGAATTCCTTCACAT 2135
Qy 4907 TCATTTATATGCAAGTTTTCATTAATTTAGGTTCTAAGTGGAGTTTAAAGTTTACTGATGACT 4966
Db 2136 TCATTTATGCAAGTTTTCATTAATTTAGGTTCTAAGTGGAGTTTAAAGTTTACTGATGACT 2195
Qy 4967 TACAAATTAATGGGCTCTGATTTGGGCAATACCTCATTTGATTTCCCTTCCATTTGACCTAAT 5026
Db 2196 TACAAATTAATGGGCTCTGATTTGGGCAATACCTCATTTGATTTCCCTTCCATTTGACCTAAT 2255

Qy 5027 TAACTGGTGAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTTAAAGATT 5086
Db 2256 TAACTGGTGAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTTAAAGATT 2315
Qy 5087 TTCAGCTGAATGGAATCTCATTTAGCTGTGTGCATATAAAAAAGATCACATCAGGTGATGGA 5146
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Qy 5147 GAGACATTTGATCCCTTGTTCCTTAAATAATTAATAATGATGCTTGGAAAAAGCAGGC 5206
Db 2376 GAGACATTTGATCCCTTGTTCCTTAAATAATTAATAATGATGCTTGGAAAAAGCAGGC 2435
Qy 5207 TAGTCTAACCATGCTGCTATTTAGGCTTGTCTTACACACACAGGCTCAAGCCTAGT 5266
Db 2436 TAGTCTAACCATGCTGCTATTTAGGCTTGTCTTACACACACAGGCTCAAGCCTAGT 2495
Qy 5267 ATGTCATTAAGCAAAATCTTACTGTTTGTTCCTTAAATGATTCCTCAAACTTTGTTGC 5326
Db 2496 ATGTCATTAAGCAAAATCTTACTGTTTGTTCCTTAAATGATTCCTCAAACTTTGTTGC 2555
Qy 5327 AAGTTTTCATTTGCAATTTGGCATCTTTGGATTTTCAGTCTTTGATGTTTGTCTATCAGACTTAACC 5386
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Qy 5387 TTTTATTTTCTCTCTCTTCTTGAATTTGCTGATTTTCTGCTCCCTCTACAGATATTAT 5446
Db 2616 TTTTATTTTCTCTCTCTTCTTGAATTTGCTGATTTTCTGCTCCCTCTACAGATATTAT 2675
Qy 5447 ATCAATTTCTACAGCTTTCCCTGTCATCCCTGAACTCTTTCTAGCCCTTTTAGATTTTG 5506
Db 2676 ATCAATTTCTACAGCTTTCCCTGTCATCCCTGAACTCTTTCTAGCCCTTTTAGATTTTG 2735
Qy 5507 GCACGTGTGAAACCCCTGCTGGAACCTGAGTCAACCTCCCTCCCAACCAAGAGTCCACAG 5566
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Qy 5567 ACCTTTTCACTTTTACAGAACTTTGATCTCTGTAGAGGTGGTAATACCATGGGTGCTGGA 5626
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Qy 5627 CACTAACAGTCACTGAGAGTGGGAGGAGTCCCTTTTCTTTGGAGTGGTATCTTTTCAA 5686
Db 2856 CACTAACAGTCACTGAGAGTGGGAGGAGTCCCTTTTCTTTGGAGTGGTATCTTTTCAA 2915
Qy 5687 CTATTTGTTTATCTCTGTTTGGGGCAATGTTGTCAAAGTCCCTCAGGAATTTTTCAGA 5746
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Qy 5747 GGAAGACATTTTATAGGCTTTCTCTAAAGTTCCTTTGTTATAGGAGTATGCTCACTT 5806
Db 2976 GGAAGACATTTTATAGGCTTTCTCTAAAGTTCCTTTGTTATAGGAGTATGCTCACTT 3035
Qy 5807 AAATTTACAGAAAGGAGTGAAGTGTGTTAAACCTCAGAGTTTAAAGCTTACTGATAAAT 5866
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Qy 5867 GAAGAAAGTGTCTATATTTGGBACTAGGCTCAATTTGAAAGCTTCAGTCTCGGAACATGACC 5926
Db 3096 GAAGAAAGTGTCTATATTTGGBACTAGGCTCAATTTGAAAGCTTCAGTCTCGGAACATGACC 3155
Qy 5927 TTTAGTCTGTGACCTCCATTTTAAATAATAGGTATGAAATGAGTGAATAAGTATGTAATGGG 5986
Db 3156 TTTAGTCTGTGACCTCCATTTTAAATAATAGGTATGAAATGAGTGAATAAGTATGTAATGGG 3215
Qy 5987 GAAGAACTGCCCTGCCCTGCTCAGAGCCATTAAGTCACTTTTGTAGAGCTATTTT 6046
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Qy 6047 TACCTATGATTTATCTGTTCTTGTATGATAAGCCGCTTATTTATATCATGTATCTCTAAGG 6106
Db 3276 TACCTATGATTTATCTGTTCTTGTATGATAAGCCGCTTATTTATATCATGTATCTCTAAGG 3335


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Db 3336 ACCTAAAGCAGCTTATGTAGTTTAAATTAATCTTAAGATCTGGTACGTAACATAAAA 3395
QY 6167 GCCTGTCTGCAATCAGTGGAAACAAGTGCATAGATGTAATGGTTTGTAGGGGCC 6226
Db 3396 GCCTGTCTGCAATCAGTGGAAACAAGTGCATAGATGTAATGGTTTGTAGGGGCC 3455
QY 6227 CATTCTCCAAATCATTAGGTATGACTGTGTGGAATAACAGACAAGACTTATGTTGATATTTT 6286
Db 3456 CACTTCTCCAAATCATTAGGTATGACTGTGTGGAATAACAGACAAGACTTATGTTGATATTTT 3515
QY 6287 GGGCTTGGGCGAGTGGGCTTAGGACACCCCAAGTGGTTGGGAAGGAGGAGGAGTG 6346
Db 3516 GGGCTTGGGCGAGTGGGCTTAGGACACCCCAAGTGGTTGGGAAGGAGGAGGAGTG 3575
QY 6347 GTGGGTTTATAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6406
Db 3576 GTGGGTTTATAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3635
QY 6407 GCAATCCTCCAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6466
Db 3636 GCAATCCTCCAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3695
QY 6467 CTTTTTGACTTCTGTGTCTTACGCTTCTCTCAGGGAACCAATGCAGTCTCTTAGTGT 6526
Db 3696 CTTTTTGACTTCTGTGTCTTACGCTTCTCTCAGGGAACCAATGCAGTCTCTTAGTGT 3755
QY 6527 TTCAATGATATCTGTGGGGGGTGAACACCTTGGTCTGTGTAACAGCTGTACTTTGA 6586
Db 3756 TTCAATGATATCTGTGGGGGGTGAACACCTTGGTCTGTGTAACAGCTGTACTTTGA 3815
QY 6587 TAGCTGTGCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6646
Db 3816 TAGCTGTGCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3875
QY 6647 TGTTTCCTTAACCTTCTGTGTCTTCTGAGAAAAAATAAATCTTTTATCAATA 6703
Db 3876 TGTTTCCTTAACCTTCTGTGTCTTCTGAGAAAAAATAAATCTTTTATCAATA 3932
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RESULT 3

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US-10-236-392-11
; Sequence 11, Application US/10236392
; Publication No. US20040067490A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David W
; APPLICANT: Boldog, Ferenc L
; APPLICANT: Burgess, Catherine, E
; APPLICANT: Casman, Stacie J
; APPLICANT: Catterton, Elina
; APPLICANT: Chapoval, Andrei
; APPLICANT: Crabtree, Julie
; APPLICANT: Edinger, Shlomit, R
; APPLICANT: Ellerman, Karen
; APPLICANT: Gerlach, Valerie
; APPLICANT: Gorman, Linda
; APPLICANT: Grosse, William M
; APPLICANT: Gusev, Vladimir
; APPLICANT: Kekuda, Ramesh
; APPLICANT: LaRoche, William J
; APPLICANT: Li, Li
; APPLICANT: MacDougall, John R
; APPLICANT: Maiyankar, Uriel M
; APPLICANT: Miller, Charles E
; APPLICANT: Millet, Isabelle
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Pena, Carol A
; APPLICANT: Peyman, John A
; APPLICANT: Rastelli, Luca
; APPLICANT: Reiger, Daniel K
; APPLICANT: Rothenberg, Mark E
```

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; APPLICANT: Shenoy, Suresh
; APPLICANT: Shimkets, Richard A
; APPLICANT: Smithson, Glenda
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-442A
; CURRENT APPLICATION NUMBER: US/10/236,392
; PRIOR APPLICATION NUMBER: US09/540,763
; PRIOR FILING DATE: 2000-03-30
; PRIOR APPLICATION NUMBER: US60/390,155
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US09/635,949
; PRIOR FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: US60/318,765
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US60/357,303
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US60/367,753
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER: US60/369,479
; PRIOR FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: US09/659,634
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: US60/318,120
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US60/318,130
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 794
; SOFTWARE: Custom
; SEQ ID NO 11
; LENGTH: 3934
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 161...(1111)
US-10-236-392-11
Query Match 35.6%; Score 2937; DB 13; Length 3934;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2937; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3767 GGATGGGTTTGTGGAGTTCTTCCATGTAGAGGACCTAGAGGTGGCATCAGAAATGTCT 3826
Db 996 GGATGGGTTTGTGGAGTTCTTCCATGTAGAGGACCTAGAGGTGGCATCAGAAATGTCT 1055
QY 3827 GCTGCTTTTTCAGGTGTTGCTGGAGTAGGAGCTGGTTGGCATATCTAATAAGATAGCC 3886
Db 1056 GCTGCTTTTTCAGGTGTTGCTGGAGTAGGAGCTGGTTGGCATATCTAATAAGATAGCC 1115
QY 3887 TTACTGTAAAGTCAATAGTTGACTTTTAAACCAACCAACCAACCAACCAACCAAG 3946
Db 1116 TTACTGTAAAGTCAATAGTTGACTTTTAAACCAACCAACCAACCAACCAAG 1175
QY 3947 GCAGTTGGACTCCAGCTGTAACTTCTAGAGTTGCACCTAGCAACCTAGCCAGAAAG 4006
Db 1176 GCAGTTGGACTCCAGCTGTAACTTCTAGAGTTGCACCTAGCAACCTAGCCAGAAAG 1235
QY 4007 CAAAGTGGCAAGAGGATTATGGCTAACCAAGATAAATACATGGGAAGAGTGTCCCATG 4066
Db 1236 CAAAGTGGCAAGAGGATTATGGCTAACCAAGATAAATACATGGGAAGAGTGTCCCATG 1295
QY 4067 ATTGAAGATCACTGTCTGGAAGAGCAAGTTCAGTTTCAGCAACCAACCAACCTTCT 4126
Db 1296 ATTGAAGATCACTGTCTGGAAGAGCAAGTTCAGTTTCAGCAACCAACCAACCTTCT 1355
QY 4127 TGGGAAGCTATGGAGGAGGACTTTTAGATTTTAGTGAAGATGTAGGGTGGAAAGCTTAA 4186
Db 1356 TGGGAAGCTATGGAGGAGGAGCTTTTAGATTTTAGTGAAGATGTAGGGTGGAAAGCTTAA 1415
QY 4187 TTTCCTTGTGAGAACAGGAAGTGGCCAGTAGCCAGCAAGTCAATAGATTGATTATCC 4246
Db 4187 TTTCCTTGTGAGAACAGGAAGTGGCCAGTAGCCAGCAAGTCAATAGATTGATTATCC 4246
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Qy	6407	GCAATCCTCCAAAGGAAAGGAGGATTTGCTTAGAGGATGGGGCTCCCGTGA	6466
Db	3636	GCAATCCTCCAAAGGAAAGGAGGATTTGCTTAGAGGATGGGGCTCCCGTGA	3695
Qy	6467	CTTTTTCACATTCGTTTGTCTTAGCTTCTCTCAGGGAAGAAATGAGTCCCTAGTGT	6526
Db	3696	CTTTTTCACATTCGTTTGTCTTAGCTTCTCTCAGGGAAGAAATGAGTCCCTAGTGT	3755
Qy	6527	TTCAATGACATTCGTTGGGGGGTGAACACCTTGTTCTGTTTAAACAGCTGTACTTTTGA	6586
Db	3756	TTCAATGACATTCGTTGGGGGGTGAACACCTTGTTCTGTTTAAACAGCTGTACTTTTGA	3815
Qy	6587	TAGCTGTGCAGGAAGGTTAGGACCAACTACAAATTAAGTGTGGTGTCAATGTAGTG	6646
Db	3816	TAGCTGTGCAGGAAGGTTAGGACCAACTACAAATTAAGTGTGGTGTCAATGTAGTG	3875
Qy	6647	TGTTTCCCTAACTTCTGTTTTTCCCTGAGAAAAAAATAAATCTTTTATTCAAATA	6703
Db	3876	TGTTTCCCTAACTTCTGTTTTTCCCTGAGAAAAAAATAAATCTTTTATTCAAATA	3932

RESULT 4

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US-10-007-573-1
; Sequence 1, Application US/10007573
; Publication No. US20020086321A1
; GENERAL INFORMATION:
; APPLICANT: DARTMOUTH COLLEGE
; APPLICANT: CRAIG, Ruth
; TITLE OF INVENTION: MYELOID CELL LEUKEMIA ASSOCIATED GENE MCL-1
; FILE REFERENCE: DART100-6
; CURRENT APPLICATION NUMBER: US/10/007,573
; CURRENT FILING DATE: 2001-11-02
; PRIOR APPLICATION NUMBER: US 09/687,260
; PRIOR FILING DATE: 2000-10-12
; PRIOR APPLICATION NUMBER: US 09/378,536
; PRIOR FILING DATE: 1999-08-20
; PRIOR APPLICATION NUMBER: US 09/211,640
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: US 08/441,375
; PRIOR FILING DATE: 1995-05-15
; PRIOR APPLICATION NUMBER: US 08/077,848
; PRIOR FILING DATE: 1993-06-16
; PRIOR APPLICATION NUMBER: US 08/012,307
; PRIOR FILING DATE: 1993-02-02
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 3946
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (61)..(1110)
; NAME/KEY: misc feature
; LOCATION: (0)..(0)
; OTHER INFORMATION: When nucleotide 740 = C, amino acid 227 = A; when
; OTHER INFORMATION: nucleotide 740 = T, amino acid 227 = V
US-10-007-573-1

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	Query Match.	34.1%;	Score 2818;	DB 13;	Length 3946;
	Best Local Similarity	100.0%;	Pred. No. 0;	Mismatches 1;	Indels 0; Gaps 0;
	Matches 2868;	Conservative 0;			
QY	3767	GGATGGGTTTGTGGAGTCTTTCCATGTAGAGGACCTAGAAAGTGCGCATCAGGAATGTGCT	3826		
Db	996	GGATGGGTTTGTGGAGTCTTTCCATGTAGAGGACCTAGAAAGTGCGCATCAGGAATGTGCT	1055		
QY	3827	GCTGGCCTTTTCAGGCTTTGCTGGAGTAGAGCTGGTTTGGCATATCTAATAGATAGACC	3886		
Db	1056	GCTGGCCTTTTCAGGCTTTGCTGGAGTAGAGCTGGTTTGGCATATCTAATAGATAGACC	1115		
QY	3887	TTACTGTAAAGTGCATAATAGTTGACCTTTTTAACCAACCAACCAACCAACCAACCACTTTAT	3946		

[illegible]

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QY 5027 TAACTGGTGAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTAAAGATT 5086
Db 2256 TAACTGGTGAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTAAAGATT 2315
QY 5087 TTCAGCTGAATGGAACACTATTAGCTGTGTGCATATAAAAGATCACATCAGGTGGATGGA 5146
Db 2316 TTCAGCTGAATGGAACACTATTAGCTGTGTGCATATAAAAGATCACATCAGGTGGATGGA 2375
QY 5147 GAGACATTTGATCCCTGTTGTTGCTTAATAAATTAATAATGATGGCTTGGAAAAGCAGGC 5206
Db 2376 GAGACATTTGATCCCTGTTGTTGCTTAATAAATTAATAATGATGGCTTGGAAAAGCAGGC 2435
QY 5207 TAGCTAACCAATGGTCTATTATTAGGCTTCTGTTTACACACACAGGCTTAAGCCTAGT 5266
Db 2436 TAGCTAACCAATGGTCTATTATTAGGCTTCTGTTTACACACACAGGCTTAAGCCTAGT 2495
QY 5267 ATGTCATAAAGCAAAATACCTTACTGTTTGTCTTATTAATGATTCCTCAACCTTTGTC 5326
Db 2496 ATGTCATAAAGCAAAATACCTTACTGTTTGTCTTATTAATGATTCCTCAACCTTTGTC 2555
QY 5327 AAGTTTTTGCATTCGCATCTTTTGCATTTTCAGTCTTTGATGTTTCTATCAGACTTAACC 5386
Db 2556 AAGTTTTTGCATTCGCATCTTTTGCATTTTCAGTCTTTGATGTTTCTATCAGACTTAACC 2615
QY 5387 TTTTATTTCCCTGCTCTCTTGAATTTGCTGATTTGCTGCTCCCTCTACAGATATTAT 5446
Db 2616 TTTTATTTCCCTGCTCTCTTGAATTTGCTGATTTGCTGCTCCCTCTACAGATATTAT 2675
QY 5447 ATCAATTCCTACAGCTTCCCTGCCATCCCTGCACTCTTCTAGCCCTTTAGATTTTG 5506
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QY 5507 GCACTGTGAACCCCTGCTGGAACCTGAGTGAACCTCCCTCCCAAGAGTCCACAG 5566
Db 2736 GCACTGTGAACCCCTGCTGGAACCTGAGTGAACCTCCCTCCCAAGAGTCCACAG 2795
QY 5567 ACCTTTCATCTTACGAACTTGTATCCCTGTAGAGTGTATATACCATGGGTGCTGTGA 5626
Db 2796 ACCTTTCATCTTACGAACTTGTATCCCTGTAGAGTGTATATACCATGGGTGCTGTGA 2855
QY 5627 CACTAACAGTCATTGAGAGGTGGAGAGTCCCTTTTCTTGGACCTGTTATCTTTCAA 5686
Db 2856 CACTAACAGTCATTGAGAGGTGGAGAGTCCCTTTTCTTGGACCTGTTATCTTTCAA 2915
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Db 3036 AAAATTACAGAAAGAGTGTGCTGTGTAAACCTCAGAGTTTAAAGCTACTGATAACT 3095
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Db 3096 CAAGAAAGTGTCTATATTGGAACCTAGGCTCAATTTGAAAGCTTCAGTTCGGAACATGACC 3155
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QY 6047 TACCTATGATTTATCGTTCCTTGTATCAAGCCGCTTATTATATCATGTATCTCTAAGG 6106
Db 3276 TACCTATGATTTATCGTTCCTTGTATCAAGCCGCTTATTATATCATGTATCTCTAAGG 3335
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QY 6107 ACCTAAAGCACTTTATGTAGTGTGTTTAAATTAATCTTAGATCTGTTACGGTAACTAAA 6166
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Db 3456 CACTTCCCAATTCATAGTATGACTGTGGAAATACAGACAAGGACTTAGTTGATATTTT 3515
QY 6287 GGCTTTGGGGCAGTGCAGGCTTTAGGACACCCCAAGTGGTTTGGGAAAGGAGGAGGAGTG 6346
Db 3516 GGCTTTGGGGCAGTGCAGGCTTTAGGACACCCCAAGTGGTTTGGGAAAGGAGGAGGAGTG 3575
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QY 6407 GCAAAATCCCTCCAAAGGAAAGGGAGGATTTGCTTTAGAGGATGGGCTCCCACTGACTA 6466
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Db 3756 TTCATGTACATCTCTGGGGGTGAACCTTGGTTCCTGTTTAAACAGCTGTACTTTTGA 3815
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Db 3816 TAGCTGTGCCAGAGGGTTAGGACCAACTACAAATTAATGTGTTGT 3864
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RESULT 5

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US-10-443-108-7
; Sequence 7, Application US/10443108
; Publication No. US20040005615A1
; GENERAL INFORMATION:
; APPLICANT: LI, JING
; APPLICANT: MU, DAVID
; APPLICANT: YANG, JIANXIN
; TITLE OF INVENTION: AMPLIFICATION AND OVEREXPRESSION OF ONCOGENES
; FILE REFERENCE: 38002-0049
; CURRENT APPLICATION NUMBER: US/10/443,108
; CURRENT FILING DATE: 2003-05-22
; PRIOR APPLICATION NUMBER: 60/398,099
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/382,606
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 3953
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-443-108-7
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Query Match 22.6%; Score 1866; DB 16; Length 3953;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2396; Conservative 0; Mismatches 1; Indels 5; Gaps 3;

QY 3767 GATGGGTTTGTGGAGTCTTCCATGTAGAGGACCTAGAGTGGCATCAGGAATGTGCT 3826
Db 999 GATGGGTTTGTGGAGTCTTCCATGTAGAGGACCTAGAGTGGCATCAGGAATGTGCT 1058
QY 3827 GCTGGCTTTTGCAGGTGTTGCTGGAGTAGGAGCTGGTTTGGCATATCTAATAAGATGCC 3886
Db 1059 GCTGGCTTTTGCAGGTGTTGCTGGAGTAGGAGCTGGTTTGGCATATCTAATAAGATGCC 1118
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Db	3276	TTTACCTATGATTTATCGTCTTTGATGATCAATAAGCGGCTTTATTTTATATCATGTATCTCTAA	3333
Qy	6105	GGACCTAAAAGCACTTTATGTAGTGTTTTAAATTAATCTTAAAGATCTGTTTACGGTAACTAA	6164
Db	3336	GGACCTAAAAGCACTTTATGTAGTGTTTTAAATTAATCTTAAAGATCTGTTTACGGTAACTAA	3395
Qy	6165	AA 6166	
Db	3396	AA 3397	
RESULT 6			
US-09-971-429B-21			
; Sequence 21, Application US/09971429B			
; Publication No. US20030175704A1			
; GENERAL INFORMATION:			
; APPLICANT: Lasek, Amy K. W.			
; APPLICANT: Shvjan, Andrew W.			
; APPLICANT: Turner, Christopher M.			
; TITLE OF INVENTION: GENES EXPRESSED IN LUNG CANCER			
; FILE REFERENCE: PA-0040 US			
; CURRENT APPLICATION NUMBER: US/09/971.429B			
; CURRENT FILING DATE: 2001-10-04			
; PRIOR APPLICATION NUMBER: 60/239,024			
; PRIOR FILING DATE: 2000-04-10			
; NUMBER OF SEQ ID NOS: 56			
; SOFTWARE: PERL Program			
; SEQ ID NO 21			
; LENGTH: 6012			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: misc feature			
; OTHER INFORMATION: Incyte ID No. US20030175704A1 1100821.1			
US-09-971-429B-21			
Query Match 19.7%; Score 1626; DB 10; Length 6012;			
Best Local Similarity 99.7%; Pred. No. 0;			
Matches 2396; Conservative 0; Mismatches 1; Indels 7; Gaps 5;			
Qy	3767	GGATGGGTTGTGCGAGTCTTCCCATGTAGAGGACCTAGAGTGGCATCAGGAATGTGCT	3826
Db	1149	GGATGGGTTGTGCGAGTCTTCCCATGTAGAGGACCTAGAGTGGCATCAGGAATGTGCT	1208
Qy	3827	GCTGGCTTTTGCAGGTGTGCTGGAGTAGGAGCTGTTGGCATATCTAATAAGATAGCC	3886
Db	1209	GCTGGCTTTTGCAGGTGTGCTGGAGTAGGAGCTGTTGGCATATCTAATAAGATAGCC	1268
Qy	3887	TTACTGTAAGTGCATAGTTGACCTTTTAAACCAACCAACCAACCAACCAACCAAGTTTAT	3946
Db	1269	TTACTGTAAGTGCATAGTTGACCTTTTAAACCAACCAACCAACCAACCAACCAAGTTTAT	1328
Qy	3947	GCAGTTGGACTCCAAGCTGTAACTCTCTAGAGTTGCACCTTAGCAACCTAGCCAGAAAAG	4006
Db	1329	GCAGTTGGACTCCAAGCTGTAACTCTCTAGAGTTGCACCTTAGCAACCTAGCCAGAAAAG	1388
Qy	4007	CAAGTGGCAAGAGGATTAATGCTTAACAGAAATAATACATGGGAAGAGTGTCTCCCATTTG	4066
Db	1389	CAAGTGGCAAGAGGATTAATGCTTAACAGAAATAATACATGGGAAGAGTGTCTCCCATTTG	1448
Qy	4067	ATTGAGAGTCACCTGTCTGGAAGAGCAAGCTTCAGTTTCAGCAACCAACCAACCTTTGTT	4126
Db	1449	ATTGAGAGTCACCTGTCTGGAAGAGCAAGCTTCAGTTTCAGCAACCAACCAACCTTTGTT	1508
Qy	4127	TGGGAAGCTATGGAGGAGGACTTTTAGATTTTAGTGAAGATGGTAGGGTGGAAAGACTTAA	4186
Db	1509	TGGGAAGCTATGGAGGAGGACTTTTAGATTTTAGTGAAGATGGTAGGGTGGAAAGACTTAA	1568
Qy	4187	TTTCCTTTTGAAGAACAGGAAGTGGCCAGTAGCCAGGCAAGTCATAGATTTGATTACCC	4246
Db	1569	TTTCCTTTTGAAGAACAGGAAGTGGCCAGTAGCCAGGCAAGTCATAGATTTGATTACCC	1628
Qy	4247	GCCGAATTCATTAATTTTACTGTAGTAGTGTGTTTAAAGAGAGCACTAAGATGCCAGTGACCT	4306

Db 2706 GCAAGTTTGGCATCTTTGGATTTTCAGTTCTTGATTTGTTGTTCTATCAGACTT 2765
QY 5383 AACCTTTTATTCCTGCTCTTCCCTGAAATGCTGATTTGCTGCTCCTCTACAGATAT 5442
Db 2766 AACCTTTTATTCCTGCTCTTCCCTGAAATGCTGATTTGCTGCTCCTCTACAGATAT 2825
QY 5443 TTATATCAATTCCTACAGCTTTCCCTGCAATCCCTGAACTCTTCTAGCTCTTTAGAT 5502
Db 2826 TTATATCAATTCCTACAGCTTTCCCTGCAATCCCTGAACTCTTCTAGCTCTTTAGAT 2885
QY 5503 TTGGCACTGTGAAACCCCTGCTGGAAACCTGAGTGACCCCTCCCTCCCAACAGAGTCC 5562
Db 2886 TTGGCACTGTGAAACCCCTGCTGGAAACCTGAGTGACCCCTCCCTCCCAACAGAGTCC 2945
QY 5563 ACAGACCTTTATCTTTACGAACTTGATCTGTTAGCAGGTGGTAATACCATGGTCT 5622
Db 2946 ACAGACCTTTATCTTTACGAACTTGATCTGTTAGCAGGTGGTAATACCATGGTCT 3005
QY 5623 GTGACACTAACAGTCAATTCAGAGGTGGGAGGAGTCCCTTTTCCCTGAGCTGATCTTT 5682
Db 3006 GTGACACTAACAGTCAATTCAGAGGTGGGAGGAGTCCCTTTTCCCTGAGCTGATCTTT 3065
QY 5683 TCAACTATTTATCTGCTTTGGGGCAATGTGTCAAAAGTCCCTCCCTCAGGAATTTT 5742
Db 3066 TCAACTATTTATCTGCTTTGGGGCAATGTGTCAAAAGTCCCTCCCTCAGGAATTTT 3125
QY 5743 CAGAGGAAAGACATTTATGAGGCTTTCTCTAAAGTTTCTCTATAGGAGTATGCTC 5802
Db 3126 CAGAGGAAAGACATTTATGAGGCTTTCTCTAAAGTTTCTCTATAGGAGTATGCTC 3185
QY 5803 ACTTAAATTTACAGAAAGAGTGAGCTGTGTTTAAACCTCAGAGTTTAAAGCTACTGATA 5862
Db 3186 ACTTAAATTTACAGAAAGAGTGAGCTGTGTTTAAACCTCAGAGTTTAAAGCTACTGATA 3245
QY 5863 AACTGAGAAAGTGCTATTTGGAAGTGGTCTATTTGAAAGCTTCACTTCGGAACAT 5922
Db 3246 AACTGAGAAAGTGCTATTTGGAAGTGGTCTATTTGAAAGCTTCACTTCGGAACAT 3305
QY 5923 GACCTTTAGCTGTGGACTTCCATTTAAATAGGTATGAATAGATGACTAAGATGTAA 5982
Db 3306 GACCTTTAGCTGTGGACTTCCATTTAAATAGGTATGAATAGATGACTAAGATGTAA 3365
QY 5983 TGGGGAAGAACTGCGCTGCTGCCATCTCAGAGCCATAGGTCACTTTGCTAGAGCTA 6042
Db 3366 TGGGGAAGAACTGCGCTGCTGCCATCTCAGAGCCATAGGTCACTTTGCTAGAGCTA 3425
QY 6043 TTTTACCTATGATTTATCTGTTCTGATCAAGCCGCTTATTTATATCATGATCTCT 6102
Db 3426 TTTTACCTATGATTTATCTGTTCTGATCAAGCCGCTTATTTATATCATGATCTCT 3485
QY 6103 AAGGACCTAAAGCACTTTATGATGTTTAAATTAATCTTAAGATCTGTTACGTAAC 6162
Db 3486 AAGGACCTAAAGCACTTTATGATGTTTAAATTAATCTTAAGATCTGTTACGTAAC 3545
QY 6163 AAAA 6166
Db 3546 AAAA 3549

RESULT 7

US-10-002-600-43
; Sequence 43, Application US/10002600
; Publication No. US20020137077A1
; GENERAL INFORMATION:
; APPLICANT: Hopkins, Christopher M.
; APPLICANT: Peterson, David P.
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
; FILE REFERENCE: PA-0042 US
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 60/243,521

; PRIOR FILING DATE: 2000-10-25
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PERL Program
; SEQ ID NO 43
; LENGTH: 6012
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Template ID: 1100821.1
; US-10-002-600-43

Query Match 19.7%; Score 1626; DB 14; Length 6012;

Best Local Similarity 99.7%; Pred. No. 0;
Matches 2396; Conservative 0; Mismatches 1; Indels 7; Gaps 5;

QY 3767 GATGGGTTGTGGAGTCTTCCATGTAGAGGACCTAGAAAGGTGGCATACGAAATGTGCT 3826
Db 1149 GATGGGTTGTGGAGTCTTCCATGTAGAGGACCTAGAAAGGTGGCATACGAAATGTGCT 1208
QY 3827 GCTGGCTTTTGGCAGGTGCTGCTGAGTGGAGTGGTTTGGCATATCTAATAAGATAGCC 3886
Db 1209 GCTGGCTTTTGGCAGGTGCTGCTGAGTGGAGTGGTTTGGCATATCTAATAAGATAGCC 1268
QY 3887 TTACTGTAACTGCAATAGTTGACTTTTAAACCAACCAACCAACCAACCAACCAAGTTTAT 3946
Db 1269 TTACTGTAACTGCAATAGTTGACTTTTAAACCAACCAACCAACCAACCAACCAAGTTTAT 1328
QY 3947 GCAGTTGGACTTCAAGCTGTAACTTCTAGAGTGGCACTTACCTAGCACTAGCCAGCAAG 4006
Db 1329 GCAGTTGGACTTCAAGCTGTAACTTCTAGAGTGGCACTTACCTAGCACTAGCCAGCAAG 1388
QY 4007 CAAGTGCAAGAGATTTATGGCTAAACAAGAAATAAATACATGGGAAGAGTCTCCCAATTG 4066
Db 1389 CAAGTGCAAGAGATTTATGGCTAAACAAGAAATAAATACATGGGAAGAGTCTCCCAATTG 1448
QY 4067 ATTGAAGAGTCACTGTCTGAAAGAGCAAAAGTTCAAGTTTCAAGCAACAAACAACTTTGTT 4126
Db 1449 ATTGAAGAGTCACTGTCTGAAAGAGCAAAAGTTCAAGTTTCAAGCAACAAACAACTTTGTT 1508
QY 4127 TGGGAAGCTATGAGGAGGAGTCTTTAGATTTAGTGAAGATGGTGGTGAAGAGCTTAA 4186
Db 1509 TGGGAAGCTATGAGGAGGAGTCTTTAGATTTAGTGAAGATGGTGGTGAAGAGCTTAA 1568
QY 4187 TTTCTTTTGTGAGAACAGGAAAGTGGCCAGTACCCAGGCAAGTCAATGAATTTGATACCC 4246
Db 1569 TTTCTTTTGTGAGAACAGGAAAGTGGCCAGTACCCAGGCAAGTCAATGAATTTGATACCC 1628
QY 4247 GCGGAATTCATTTAATTTACTGTAGTGTAGTGAAGAGCACTAAGAAATGCCAGTACCT 4306
Db 1629 GCGGAATTCATTTAATTTACTGTAGTGTAGTGAAGAGCACTAAGAAATGCCAGTACCT 1685
QY 4307 GTGTAAAGTTTCAAGATTAAGAACTATGACTGTAAAGCTTCACTGTGTAAGGGAAGC 4366
Db 1686 GTGTAAAGTTTCAAGATTAAGAACTATGACTGTAAAGCTTCACTGTGTAAGGGAAGC 1745
QY 4367 TTTTCCCTCTCTAATTTAGCTTTTCCAGTATCTTCTAGAAAGTCCAGTGTTCAGGAC 4426
Db 1746 TTTTCCCTCTCTAATTTAGCTTTTCCAGTATCTTCTAGAAAGTCCAGTGTTCAGGAC 1805
QY 4427 TTTTATACCTGTTATACCTTTTGGCTTGG--TTCCATGATTTCTTACTTTTATAGCCCTAGTTTA 4485
Db 1806 TTTTATACCTGTTATACCTTTTGGCTTGGCTTTCCATGATTTCTTACTTTTATAGCCCTAGTTTA 1865
QY 4486 TCACCAATAATACCTTGAAGGAGCTCAGTAATAGTTATGATATGATATGATATCTCAATT 4545
Db 1866 TCACCAATAATACCTTGAAGGAGCTCAGTAATAGTTATGATATGATATGATATCTCAATT 1925
QY 4546 CTTAAGACAGCTTGTAAATGTTTGTAAATTTGATATATATTTTACAGAAAGTCTTAT 4605
Db 1926 CTTAAGACAGCTTGTAAATGTTTGTAAATTTGATATATATTTTACAGAAAGTCTTAT 1985
QY 4606 TCCTTGAAACGAAGAGATATCGAATTTACATTTAGTTTCTTTCATACCTTTTGAACCTT 4665

Db	1986	TCCTTTGAAACGAAGGAGTATCGAATTTCATTAGTGTCTTTTTCATACCCCTTTTGAACCTTT	2045
Qy	4666	GCAACTTCCGTAATTAGGAAACCTGTTTCTTTACAGCTTTTCTATGCTAAACCTTTGTTCTGT	4725
Db	2046	GCAACTTCCGTAATTAGGAAACCTGTTTCTTTACAGCTTTTCTATGCTAAACCTTTGTTCTGT	2105
Qy	4726	TCAGTCTCAGAGTGATACAGAACGAATTCGATGTGTAACTGTATGCAGACTGGTGTGTAGT	4785
Db	2106	TCAGTCTCAGAGTGATACAGAACGAATTCGATGTGTAACTGTATGCAGACTGGTGTGTAGT	2165
Qy	4786	GGAAACAAATCTGATAACTATGACGAGTTTAAATTTTCTATCTGATTTTGGTAAAGTATCC	4845
Db	2166	GERACAAATCTGATAACTATGACGAGTTTAAATTTTCTATCTGATTTTGGTAAAGTATCC	2225
Qy	4846	TTAGATAGG-TTTTCTTTTGGAAACCTGGGATTTGAGAGTTGATGAATGGAAATTCCTTTCA	4904
Db	2226	TTAGATAGGTTTCTTTTGGAAACCTGGGATTTGAGAGTTGATGAATGGAAATTCCTTTCA	2285
Qy	4905	CTTCATTATATGCAAGTTTTCATTAATTAAGTCTTAAGTGGAGTTTAAAGGTTACTGATGA	4964
Db	2286	CTTCATTATATGCAAGTTTTCATTAATTAAGTCTTAAGTGGAGTTTAAAGGTTACTGATGA	2345
Qy	4965	CTTACAAATTAATGGGCTCTGATTTGGGCAATCTCATTTTGAGTTTCCTTCCATTGAACCTAA	5024
Db	2346	CTTACAAATTAATGGGCTCTGATTTGGGCAATCTCATTTTGAGTTTCCTTCCATTGAACCTAA	2405
Qy	5025	TTTAACTGGTGAATTTTAAAGTGAAATTCATGGGCTCATCTTTAAAGCTTTTACTAAAGA	5084
Db	2406	TTTAACTGGTGAATTTTAAAGTGAAATTCATGGGCTCATCTTTAAAGCTTTTACTAAAGA	2465
Qy	5085	TTTTTCAGCTGAATGGAACTCATTAGCTGTGTGCATATAAAAGATCACATCAGTGGATG	5144
Db	2466	TTTTTCAGCTGAATGGAACTCATTAGCTGTGTGCATATAAAAGATCACATCAGTGGATG	2525
Qy	5145	GAGAGACATTTGATCCCTTGTTCCTTAATAAATAAATAATGATGGCTTGGAAAAGCAG	5204
Db	2526	GAGAGACATTTGATCCCTTGTTCCTTAATAAATAAATAATGATGGCTTGGAAAAGCAG	2585
Qy	5205	GCTAGTCTAACCATGGTGCTATTATTAGGCTTGCTGTACACACAGAGTCTAAGGCTA	5264
Db	2586	GCTAGTCTAACCATGGTGCTATTATTAGGCTTGCTGTACACACAGAGTCTAAGGCTA	2645
Qy	5265	GTAATGCAATAAGCAAAATCTTACTGTTTGTGTTCTATTAAATGATTCCTCAAAACCTGTT	5324
Db	2646	GTAATGCAATAAGCAAAATCTTACTGTTTGTGTTCTATTAAATGATTCCTCAAAACCTGTT	2705
Qy	5325	GCAAGTTTTT-GCATT-GGCATCTTTGGATTTGAGTCTGATGTTGTTGTTCTATCAGACTT	5382
Db	2706	GCAAGTTTTTGGCAATGGGCAATCTTGATTTGAGTCTGATGTTGTTCTATCAGACTT	2765
Qy	5383	AACCTTTTATTTCTGTCCTTCTTGAAATGCTGATTTGTTCTGCTCCCTCTACAGATAT	5442
Db	2766	AACCTTTTATTTCTGTCCTTCTTGAAATGCTGATTTGTTCTGCTCCCTCTACAGATAT	2825
Qy	5443	TTATATCAATTCCTACAGCTTTCCCTGCCATCCCTGAACTCTTTCTAGGCCCTTTTAGAT	5502
Db	2826	TTATATCAATTCCTACAGCTTTCCCTGCCATCCCTGAACTCTTTCTAGGCCCTTTTAGAT	2885
Qy	5503	TTTTGGCACTGTGAAACCCCTGCTGGAAACCTGAGTGACCCCTCCCTCCCAACCAAGAGTCC	5562
Db	2886	TTTTGGCACTGTGAAACCCCTGCTGGAAACCTGAGTGACCCCTCCCTCCCAACCAAGAGTCC	2945
Qy	5563	ACAGACCTTTTCATCTTTTCAAGAACTTGATCTGTGTAGCAGGTGGTAAATACATGGGTGCT	5622
Db	2946	ACAGACCTTTTCATCTTTTCAAGAACTTGATCTGTGTAGCAGGTGGTAAATACATGGGTGCT	3005
Qy	5623	GTGACACTTAACAGTCATTTGAGAGTGGAGAGTGCCTTTTCTCTGCACTGGTATCTTT	5682
Db	3006	GTGACACTTAACAGTCATTTGAGAGTGGAGAGTGCCTTTTCTCTGCACTGGTATCTTT	3065
Qy	5683	TCAACTATTTGTTTTATCTCTGTTTTGGGGCAATGTGTCAAAAAGTCCCTCAGGAATTTT	5742

Db	3066	TCAACTATTGTTTATACCTGTCTTTGGGGGCAATGTGTCAAAAGTCCCTCAGGAATTTT	31325
Qy	5743	CAGAGGAAAGAACATTTTATGAGGCTTTCTCTAAAGTTTCCCTTTGTATAGGAGTATGCTC	58020
Db	3126	CAGAGGAAAGAACATTTTATGAGGCTTTCTCTAAAGTTTCCCTTTGTATAGGAGTATGCTC	31853
Qy	5803	ACTTTAAATTTTACAGAAGAGGTGAGCTGTCTTAAACCTCAGCTTTTAAAGCTTACTGATA	58626
Db	3186	ACTTTAAATTTTACAGAAGAGGTGAGCTGTCTTAAACCTCAGCTTTTAAAGCTTACTGATA	32451
Qy	5863	AACCTGAAGAAGTGTCTATATTGGAACCTAGGCTCATTTGAAAGCTTCAGTCTCGGAACAT	59222
Db	3246	AACCTGAAGAAGTGTCTATATTGGAACCTAGGCTCATTTGAAAGCTTCAGTCTCGGAACAT	33050
Qy	5923	GACCTTTAGTCTGTGGACTCGATTTAAAAATAGGTATGAAATAGATGACTAAGAAATGTAA	59828
Db	3306	GACCTTTAGTCTGTGGACTCGATTTAAAAATAGGTATGAAATAGATGACTAAGAAATGTAA	33655
Qy	5983	TGGGGAAGAACTGCCCTGCCCTGCCACTCTCAGAGCCATAAGGTCATCTTTTGTCTAGAGCTA	60421
Db	3366	TGGGGAAGAACTGCCCTGCCCTGCCACTCTCAGAGCCATAAGGTCATCTTTTGTCTAGAGCTA	34252
Qy	6043	TTTTTACCTATGATTTTATCGTCTTGGATCATTAAGCCGCTTATTTATATCATGTATCTCT	61020
Db	3426	TTTTTACCTATGATTTTATCGTCTTGGATCATTAAGCCGCTTATTTATATCATGTATCTCT	34855
Qy	6103	AAGGACCTAAAAAGCACCTTATGTAGTTTAAATTTAACTCTTAAAGATCTGGTTTACGGTAAC	61626
Db	3486	AAGGACCTAAAAAGCACCTTATGTAGTTTAAATTTAACTCTTAAAGATCTGGTTTACGGTAAC	35451
Qy	6163	AAAA 6166	
Db	3546	AAAA 3549	

RESULT &

```

US-10-085-117-269
; Sequence 269, Application US/10085117
; Publication No. US2003032334A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: S29452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: RastSEQ for Windows Version 4.0
; SEQ ID NO 269
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-269

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Query Match	17.4%;	Score 1434;	DB 16;	Length 2430;
Best Local Similarity	100.0%;	Pred. No. 0;		

Qy	3767	GGATGGGTTTGTGGAGTCTTC	CATGTAGAGACCTTAGAAGTGGCATCAGGAATGTGCT	3828
Db	985	GGATGGGTTTGTGGAGTCTTC	CATGTAGAGACCTTAGAAGTGGCATCAGGAATGTGCT	1044
Qy	3827	GCTGGCTTTTTCAGGTGCTGCT	GGAGTAGAGCTGGTTTCGCATATCTAATTAAGATAGCC	3886
Db	1045	GCTGGCTTTTTCAGGTGCTGCT	GGAGTAGAGCTGGTTTCGCATATCTAATTAAGATAGCC	1104
Qy	3887	TTACTGTAAGTGCAATAGTTGAC	TTTTTAAACCAACCAACCAACCAACCAACCAAGTTTAT	3946
Db	1105	TTACTGTAAGTGCATAGTTGAC	TTTTTAAACCAACCAACCAACCAACCAACCAAGTTTAT	1164
Qy	3947	GCAGTTGGACTCCAAGCTGTA	CTTCTCAGTAGTTGTCACCTTAGCAACTTAGCAAGAAAAG	4006

Db 1165 GCAGTTGGACTCCAGCTGTAATCTTCTAGAGTTGACCCCTAGCAACCTTAGCCAGAAAG 1224
Qy 4007 CAAGTGGCAAGAGGATTAATGGCTAAACAAGATAAATACATGGGAAGAGTGTCCCCCAATG 4066
Db 1225 CAAGTGGCAAGAGGATTAATGGCTAAACAAGATAAATACATGGGAAGAGTGTCCCCCAATG 1284
Qy 4067 ATTGAAGAGTCACTGTCTGGAAGCAAGCAAGTTTCAAGTTTCAAGCAACAACAACCTTTGTT 4126
Db 1285 ATTGAAGAGTCACTGTCTGGAAGCAAGCAAGTTTCAAGTTTCAAGCAACAACAACCTTTGTT 1344
Qy 4127 TGGGAAGCTATGGAGGAGGACTTTTATAGATTAGTGAAGATGGTAGGGTGGAAAGACTTAA 4186
Db 1345 TGGGAAGCTATGGAGGAGGACTTTTATAGATTAGTGAAGATGGTAGGGTGGAAAGACTTAA 1404
Qy 4187 TTTTCCCTTTGAGAACAGGAAAGTGGCCAGTAGCAGCCAGCAAGTCAATAGATTGATTACCC 4246
Db 1405 TTTTCCCTTTGAGAACAGGAAAGTGGCCAGTAGCAGCCAGCAAGTCAATAGATTGATTACCC 1464
Qy 4247 GCCGAATTCATTAATTTACTGTAGTAGTGTTAAGAGAAGCACTTAAGATGCCAGTGACCT 4306
Db 1465 GCCGAATTCATTAATTTACTGTAGTAGTGTTAAGAGAAGCACTTAAGATGCCAGTGACCT 1524
Qy 4307 GTGTAAAAGTTACAAGTAATAGAACTATGACTGTAAAGCCTCAGTACTGTACAAAGGAAGC 4366
Db 1525 GTGTAAAAGTTACAAGTAATAGAACTATGACTGTAAAGCCTCAGTACTGTACAAAGGAAGC 1584
Qy 4367 TTTTTCCTCTCTCTAAATTTAGCTTTCCAGATATCTCTTGAAGAGTCCAAAGTGTTCAGGAC 4426
Db 1585 TTTTTCCTCTCTCTAAATTTAGCTTTCCAGATATCTCTTGAAGAGTCCAAAGTGTTCAGGAC 1644
Qy 4427 TTTTATACCTGTATATCTTTGGCTTGGTTCATGATCTTCTTATTTAGTCTAGCTTTAT 4486
Db 1645 TTTTATACCTGTATATCTTTGGCTTGGTTCATGATCTTCTTATTTAGTCTAGCTTTAT 1704
Qy 4487 CACCAATAACTGTGACGAGAGCTCAGTAATTTAGTATGAATATGGATATCTTCAATTC 4546
Db 1705 CACCAATAACTGTGACGAGAGCTCAGTAATTTAGTATGAATATGGATATCTTCAATTC 1764
Qy 4547 TTAAGACAGCTCTGTAATGTATTTGTAATAATTTGTAATAATTTTACAGAAAGTCTATTT 4606
Db 1765 TTAAGACAGCTCTGTAATGTATTTGTAATAATTTGTAATAATTTTACAGAAAGTCTATTT 1824
Qy 4607 CCTTGAAACGAAGAGATATCGAATTTAATAGTATTTTTCATACCCCTTTTGAACCTTTG 4666
Db 1825 CCTTGAAACGAAGAGATATCGAATTTAATAGTATTTTTCATACCCCTTTTGAACCTTTG 1884
Qy 4667 CAACCTCCGTAATTTAGAACCTGTCTTACAGCTTTTCTATGCTAAACCTTTTGTCTGTT 4726
Db 1885 CAACCTCCGTAATTTAGAACCTGTCTTACAGCTTTTCTATGCTAAACCTTTTGTCTGTT 1944
Qy 4727 CAGTTCTAGAGTGTATACAGAACGAATGTATGTAACTGTATGACAGCTGGTGTAGTG 4786
Db 1945 CAGTTCTAGAGTGTATACAGAACGAATGTATGTAACTGTATGACAGCTGGTGTAGTG 2004
Qy 4787 GAACAAATCTGATPAACTATGACGATTAATTTTCTATCTGATTTTGGTAGTATTCCT 4846
Db 2005 GAACAAATCTGATPAACTATGACGATTTAAATTTTCTATCTGATTTTGGTAGTATTCCT 2064
Qy 4847 TAGATAGTTTCTTTTGAAACCTGGGATTTAGAGGTTGATGAATGGAAATTTCTTTCACT 4906
Db 2065 TAGATAGTTTCTTTTGAAACCTGGGATTTAGAGGTTGATGAATGGAAATTTCTTTCACT 2124
Qy 4907 TCATTATGCAAGTTTCAATAATTTAGTCTAAGTGGAGTTTAAAGTTTACGTGATGACT 4966
Db 2125 TCATTATGCAAGTTTCAATAATTTAGTCTAAGTGGAGTTTAAAGTTTACGTGATGACT 2184
Qy 4967 TACAAATAATGGGCTCTGATTTGGCAATCTCAATTTGAGTTTCTTCCATTTGACCTAAAT 5026
Db 2185 TACAAATAATGGGCTCTGATTTGGCAATCTCAATTTGAGTTTCTTCCATTTGACCTAAAT 2244
Qy 5027 TAACGTGTAAATTTAAAGTGAATTTAAGGCTCACTTTTAAAGCTTTTACTTAAAGATT 5086

Db 2245 TAACTGGTGAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTTAAAGATT 2304
Qy 5087 TTCAGCTGAATGGAACTCAATTTAGCTGTGTGCAATATAAAAGATCAATCAGGTGGATGGA 5146
Db 2305 TTCAGCTGAATGGAACTCAATTTAGCTGTGTGCAATATAAAAGATCAATCAGGTGGATGGA 2364
Qy 5147 GAGACATTTGATCCCTTGTGTTTAAATTAATAAATTAATAAATGATGGCTTTGGAAAA 5200
Db 2365 GAGACATTTGATCCCTTGTGTTTAAATTAATAAATTAATAAATGATGGCTTTGGAAAA 2418

RESULT 9

US-10-247-671-28
; Sequence 28, Application US/10247671
; Publication No. US20030194721A1
; GENERAL INFORMATION:
; APPLICANT: Mikita, Thomas
; APPLICANT: Shiffman, Dov
; APPLICANT: Porter, Gordon, J.
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED FOAM CELLS
; FILE REFERENCE: PA-0050 US
; CURRENT APPLICATION NUMBER: US/10/247,671
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/323,784
; FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: PERL Program
; SEQ ID NO 28
; LENGTH: 2875
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030194721A1 1842870CB1
US-10-247-671-28

Query Match 16.3%; Score 1344; DB 15; Length 2875;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1874; Conservative 0; Mismatches 1; Indels 5; Gaps 3;
Qy 3767 GGATGGGTTTGGAGTGTCTTCCATGTAGAGAGCTAGAGGTGGCATCAGGAATGTCT 3826
Db 999 GGATGGGTTTGGAGTGTCTTCCATGTAGAGAGCTAGAGGTGGCATCAGGAATGTCT 1058
Qy 3827 GCTGGCTTTCCAGGTGTGTGCTGGAGTAGGAGCTGGTTTGGCATATCTAATAAGATGCC 3886
Db 1059 GCTGGCTTTCCAGGTGTGTGCTGGAGTAGGAGCTGGTTTGGCATATCTAATAAGATGCC 1118
Qy 3887 TTACTGTAAGTGCAATAGTGTGACTTTTAAACCAACCAACCAACCAACCAACCAAGTTAT 3946
Db 1119 TTACTGTAAGTGCAATAGTGTGACTTTTAAACCAACCAACCAACCAACCAACCAAGTTAT 1178
Qy 3947 GCAGTTGACCTCCAGCTGTAACTTCTTAGAGTTGCAACCTAGCAACCTAGCCAGAAAG 4006
Db 1179 GCAGTTGACCTCCAGCTGTAACTTCTTAGAGTTGCAACCTAGCAACCTAGCCAGAAAG 1238
Qy 4007 CAAGTGGCAAGAGATTTAGCTTAACAAGATAAATACATGGGAAGAGTGTCCCATTTG 4066
Db 1239 CAAGTGGCAAGAGATTTAGCTTAACAAGATAAATACATGGGAAGAGTGTCCCATTTG 1298
Qy 4067 ATTGAAGAGTCACTGTCTGAAAGAAAGCAAAAGTTTCAAGTTTCAAGCAACCAACCAAGTTT 4126
Db 1299 ATTGAAGAGTCACTGTCTGAAAGAAAGCAAAAGTTTCAAGTTTCAAGCAACCAACCAAGTTT 1358
Qy 4127 TGGGAAGCTATGGAGGAGGACTTTTATAGTTTATAGTGAAGATGGTAGGGTGGAAAGACTTAA 4186
Db 1359 TGGGAAGCTATGGAGGAGGACTTTTATAGTTTATAGTGAAGATGGTAGGGTGGAAAGACTTAA 1418
Qy 4187 TTTTCCCTCTGAGAACAGGAAAGTGGCCAGTAGCCAGCAAGTCAATAGATTGATTACCC 4246
Db 1419 TTTTCCCTCTGAGAACAGGAAAGTGGCCAGTAGCCAGCAAGTCAATAGATTGATTACCC 1478

4247 GCGAATTCATTAATTTACTAGTGTAGTGTAAAGAGCACTAAGAAATGCCAGTGACCT 4306
Db GCGAATTCATTAATTTACT---TAGTGTAAAGAGCACTAAGAAATGCCAGTGACCT 1535
4307 GTGTAAGAGTTACAAAGTAATAGAACTATGACTGTAAGCCTCAGTACTGTAAGAGGAAGC 4366
Db GTGTAAGAGTTACAAAGTAATAGAACTATGACTGTAAGCCTCAGTACTGTAAGAGGAAGC 1595
4367 TTTTCTCTCTCTAATTTAGCTTTCCAGATATACCTTTAGAAAGTCCAAAGTGTTCAGGAC 4426
Db TTTTCTCTCTCTAATTTAGCTTTCCAGATATACCTTTAGAAAGTCCAAAGTGTTCAGGAC 1655
4427 TTTTATACCTGTATATCTTTGGCTTGG-TTCCATGATTTCTTACTTTATTTAGCTTAGTTTA 4485
Db TTTTATACCTGTATATCTTTGGCTTGGTTTCCATGATTTCTTACTTTATTTAGCTTAGTTTA 1715
4486 TCACCAATATATCTTGACGGAAGGCTCAGTAATTTAGTATGAAATATCGATATCTCAATT 4545
Db TCACCAATATATCTTGACGGAAGGCTCAGTAATTTAGTATGAAATATCGATATCTCAATT 1775
4546 CTTAAGCAGCTGTAAATGTATTTGTAATAATTTGATATATATTTTACAGAAAGTCTATT 4605
Db CTTAAGCAGCTGTAAATGTATTTGTAATAATTTGATATATATTTTACAGAAAGTCTATT 1835
4606 TCCTTGAAACGAAGAAATATCGAATTTACATTTAGTTTTTTTCATACCCTTTTGAACCTTT 4665
Db TCCTTGAAACGAAGAAATATCGAATTTACATTTAGTTTTTTTCATACCCTTTTGAACCTTT 1895
4666 GCACTTCGTAATTTAGAACTCTTTCTTACAGCTTTCTATGCTAAATTTTGTCTGT 4725
Db GCACTTCGTAATTTAGAACTCTTTCTTACAGCTTTCTATGCTAAATTTTGTCTGT 1955
4726 TCAGTTCTAGAGTGTATACAGAAAGAAATGATGTAACTGTATGACAGCTGGTTGAGT 4785
Db TCAGTTCTAGAGTGTATACAGAAAGAAATGATGTAACTGTATGACAGCTGGTTGAGT 2015
4786 GGAACAAATCTGATATATGACAGGTTAAATTTCTTATCTGATTTTGTAGTATCTC 4845
Db GGAACAAATCTGATATATGACAGGTTAAATTTCTTATCTGATTTTGTAGTATCTC 2075
4846 TTAGATAGG-TTTTCTTTGAAACCTGGATTTGAGAGGTTGATGAATGGAATTTCTTTCA 4904
Db TTAGATAGGTTTTTCTTTGAAACCTGGATTTGAGAGGTTGATGAATGGAATTTCTTTCA 2135
4905 CTTCAATATATGCAAGTTTCAATTAATTTAGTCTTAAGTGTAGTGTAAAGTTTCTGATGA 4964
Db CTTCAATATATGCAAGTTTCAATTAATTTAGTCTTAAGTGTAGTGTAAAGTTTCTGATGA 2195
4965 CTTCAATATATGCGCTGATTTGGGCAATCTATTTGAGTCTCTTCCATTTGACCTAA 5024
Db CTTCAATATATGCGCTGATTTGGGCAATCTATTTGAGTCTCTTCCATTTGACCTAA 2255
5025 TTTAACTGGTGAAATTTTAAAGTGAATTCATGGGCTCATCTTTTAAAGCTTTTACTAAAGA 5084
Db TTTAACTGGTGAAATTTTAAAGTGAATTCATGGGCTCATCTTTTAAAGCTTTTACTAAAGA 2315
5085 TTTTTCAGCTGATCGAACTATTAGCTGTGTCATATAAAGATCATCATCAGTGTGATG 5144
Db TTTTTCAGCTGATCGAACTATTAGCTGTGTCATATAAAGATCATCATCAGTGTGATG 2375
5145 GAGAGACATTTGATCCCTTGTCTTAAATTAATTAATAATGATGGCTTTGGAAGAGCAG 5204
Db GAGAGACATTTGATCCCTTGTCTTAAATTAATTAATAATGATGGCTTTGGAAGAGCAG 2435
5205 GCTAGTCTAAACATGGTCTATTATTAGCTGTGTCATATAAAGATCATCATCAGTCTAAGCTTA 5264
Db GCTAGTCTAAACATGGTCTATTATTAGCTGTGTCATATAAAGATCATCATCAGTCTAAGCTTA 2495
5265 GTATGTCAATAAAGCAAAATCTTACTGTTTGTGTTTCTTAAATGATTTCCCAAACTTGT 5324
Db GTATGTCAATAAAGCAAAATCTTACTGTTTGTGTTTCTTAAATGATTTCCCAAACTTGT 2555
5325 GCAAGTTTTTGGCATTTGGCAATCTTTGGATTTTCAAGTCTTGTGATGTTTTGCTATCAGACTTAA 5384

2556 GCAAGTTTTTGCATTTGGCATCTTTGGATTTTCACTTGTGATGTTTCTATCAGACTTAA 2615
QY CTTTTTAATTTCTGCTCCCTTCCCTTGAATTTGCTGATTTGCTCTCCCTCTACAGATAATTT 5444
Db CTTTTTAATTTCTGCTCCCTTCCCTTGAATTTGCTGATTTGCTCTCCCTCTACAGATAATTT 2675
5445 ATATCAATTTCTTACAGCTTTTCCCTTGCATCTCCCTGAACTCTTTCTAGGCCCTTTAGATTT 5504
Db ATATCAATTTCTTACAGCTTTTCCCTTGCATCTCCCTGAACTCTTTCTAGGCCCTTTAGATTT 2735
5505 TGGCACTGTGAAACCCCTGCTGGAACCTGAGTACCTCTCCCTCCCAAGAGTCCAC 5564
Db TGGCACTGTGAAACCCCTGCTGGAACCTGAGTACCTCTCCCTCCCAAGAGTCCAC 2795
5565 AGACCTTTTCATCTTTTACAGAACTTGAATCTGTTAGCAGTGGTAAATACATGGGTGCTGT 5624
Db AGACCTTTTCATCTTTTACAGAACTTGAATCTGTTAGCAGTGGTAAATACATGGGTGCTGT 2855
5625 GACACTTAACAGTCAATTGAGA 5644
Db GACACTTAACAGTCAATTGAGA 2875

RESULT 10
US-10-085-117-270
; Sequence 270, Application US/10085117
; Publication No. US20030232334A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270
; LENGTH: 1053
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-117-270

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 679; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1727 ATGTTTGGCTCAAAAGAAACGCGTAAATCGAGCTCAACCTCTACTGTGGGGGGCCGCG 1786
Db 1 ATGTTTGGCTCAAAAGAAACGCGTAAATCGAGCTCAACCTCTACTGTGGGGGGCCGCG 60

QY 1787 TTGGGGGGCCGCGAGCGGGGGCCACCCCGCGGAGGGCGACTTTTGGTACGAGAG 1846
Db 61 TTGGGGGGCCGCGAGCGGGGGCCACCCCGCGGAGGGCGACTTTTGGTACGAGAG 120

QY 1847 GAGGCTTGGCCCGCGAGAGTAGGGGAGGGAGCGCGCGGTGATTCGCGGAGC 1906
Db 121 GAGGCTTGGCCCGCGAGAGTAGGGGAGGGAGCGCGCGGTGATTCGCGGAGC 180

QY 1907 GCGCGCGCAAGCCCGCTTCAACCTCAGCGAGGCTCCCGGAGGGTCCGCGCGCGCG 1966
Db 181 GCGCGCGCAAGCCCGCTTCAACCTCAGCGAGGCTCCCGGAGGGTCCGCGCGCGCG 240

QY 1967 CCATTTGGCGCGAGGTCCCGAGCTCAGCGAGCCCGCGAGAGCTGCTTTTTCGCG 2026
Db 241 CCATTTGGCGCGAGGTCCCGAGCTCAGCGAGCCCGCGAGAGCTGCTTTTTCGCG 300

QY 2027 CCACCCCGCGCGCGCGCTTGAAGAGTGGAGAGTGGAGAGTGGAGAGTGGAGAGTGGAG 2086
Db 301 CCACCCCGCGCGCGCGCTTGAAGAGTGGAGAGTGGAGAGTGGAGAGTGGAGAGTGGAG 360

;; PRIOR APPLICATION NUMBER: US 60/200,779
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: US 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: US 60/202,084
;; PRIOR FILING DATE: 2000-05-04
;; PRIOR APPLICATION NUMBER: US 60/206,201
;; PRIOR FILING DATE: 2000-05-22
;; PRIOR APPLICATION NUMBER: US 60/218,950
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: US 60/222,903
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: US 60/223,416
;; PRIOR FILING DATE: 2000-08-04
;; PRIOR APPLICATION NUMBER: US 60/223,378
;; PRIOR FILING DATE: 2000-08-07
;; PRIOR APPLICATION NUMBER: US 09/796,692
;; PRIOR FILING DATE: 2001-03-01
;; NUMBER OF SEQ ID NOS: 10467
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 8824
;; LENGTH: 624
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: unsure
;; LOCATION: (19)
;; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-8824

Query Match 5.2%; Score 433; DB 15; Length 624;

Best Local Similarity 99.7%; Pred. No. 1.6e-211;

Matches 603; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy	4469	TTTATTAGCCTAGTTTATCACCATAATCTTACGAGAGGCTCAGTAATAGTTATGAA	4528
Db	624	TTTATTAGCCTAGTTTATCACCATAATCTTACGAGAGGCTCAGTAATAGTTATGAA	565
Qy	4529	TATGGATATCCTCAATCTTAAAGACAGCTTGTAATGTAATTTGTAATTTGTAATTT	4588
Db	564	TATGGATATCCTCAATCTTAAAGACAGCTTGTAATGTAATTTGTAATTTGTAATTT	505
Qy	4589	TTTACAGAAAGTCTATTTCCCTTGAACGAGAGGATGATGAAATTTACATTTGTTTTC	4648
Db	504	TTTACAGAAAGTCTATTTCCCTTGAACGAGAGGATGATGAAATTTACATTTGTTTTC	445
Qy	4649	ATACCCCTTTGAACTTTGCAACTTCCTGTAATAGGAACCTGTTCTTACAGCTTTTCTAT	4708
Db	444	ATACCCCTTTGAACTTTGCAACTTCCTGTAATAGGAACCTGTTCTTACAGCTTTTCTAT	385
Qy	4709	GCTAAACTTTGTTCTGTTTACGTTCTAGAGTGATATACAGAACGAAATGATGTAACGTGA	4768
Db	384	GCTAAACTTTGTTCTGTTTACGTTCTAGAGTGATATACAGAACGAAATGATGTAACGTGA	325
Qy	4769	TGCAGACTGGTTGTAGTGGACAAATCTGATACTATGACAGGTTTAAATTTCTTATCTG	4828
Db	324	TGCAGACTGGTTGTAGTGGACAAATCTGATACTATGACAGGTTTAAATTTCTTATCTG	265
Qy	4829	ATTTGTGTAAGTATTCCTCTAGATAGG-TTTTCTTTGAAACCTGGGATGAGGTTGAT	4887
Db	264	ATTTGTGTAAGTATTCCTCTAGATAGGTTTCTTTGAAACCTGGGATGAGGTTGAT	205
Qy	4888	GAAATGGAAATCTTTCACCTTCATTATATGCAAGTTTCAATTAATAGGCTTAAGTGGAGT	4947
Db	204	GAAATGGAAATCTTTCACCTTCATTATATGCAAGTTTCAATTAATAGGCTTAAGTGGAGT	145
Qy	4948	TTTAAGGTTACTGATGACTTACAAATAATGSGGCTCTGATTTGGGCAATCTCATTTGAGTT	5007
Db	144	TTTAAGGTTACTGATGACTTACAAATAATGSGGCTCTGATTTGGGCAATCTCATTTGAGTT	85
Qy	5008	CCCTCCATTTGACCTAATTTAACTGGTGAATTTAAAGTGAATTCATGGCTCATCTTTA	5067
Db	84	CCCTCCATTTGACCTAATTTAACTGGTGAATTTAAAGTGAATTCATGGCTCATCTTTA	25

Qy 5068 AAGCT 5072
Db 24 AAGCT 20

RESULT 13

US-10-057-475B-8824/C
;; Sequence 8824, Application US/10057475B
;; Publication No. US20040002068A1
;; GENERAL INFORMATION:
;; APPLICANT: Gaiger, Alexander
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Mannion, Jane
;; APPLICANT: Clapper, Jonathan David
;; APPLICANT: Wang, Aijun
;; APPLICANT: Ordenez, Nadia
;; APPLICANT: Carter, Lauren
;; APPLICANT: McNeill, Patricia Dianne
;; APPLICANT: Corixa Corporation
;; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
;; FILE OF INVENTION: Hematological Malignancies
;; FILE REFERENCE: 014058-014402US
;; CURRENT APPLICATION NUMBER: US/10/057,475B
;; CURRENT FILING DATE: 2002-01-22
;; PRIOR APPLICATION NUMBER: US 60/186,126
;; PRIOR FILING DATE: 2000-03-01
;; PRIOR APPLICATION NUMBER: US 60/190,479
;; PRIOR FILING DATE: 2000-03-17
;; PRIOR APPLICATION NUMBER: US 60/200,545
;; PRIOR FILING DATE: 2000-04-27
;; PRIOR APPLICATION NUMBER: US 60/200,303
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: US 60/200,779
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: US 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: US 60/202,084
;; PRIOR FILING DATE: 2000-05-04
;; PRIOR APPLICATION NUMBER: US 60/206,201
;; PRIOR FILING DATE: 2000-05-22
;; PRIOR APPLICATION NUMBER: US 60/218,950
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: US 60/222,903
;; PRIOR FILING DATE: 2000-08-03
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 10379
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 8824
;; LENGTH: 624
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: (1)...(624)
;; OTHER INFORMATION: n = g, a, c or t
US-10-057-475B-8824

Query Match 5.2%; Score 433; DB 16; Length 624;

Best Local Similarity 99.7%; Pred. No. 1.6e-211;

Matches 603; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Qy	4469	TTTATTAGCCTAGTTTATCACCATAATCTTACGAGAGGCTCAGTAATAGTTATGAA	4528
Db	624	TTTATTAGCCTAGTTTATCACCATAATCTTACGAGAGGCTCAGTAATAGTTATGAA	565
Qy	4529	TATGGATATCCTCAATCTTAAAGACAGCTTGTAATGTAATTTGTAATTTGTAATTT	4588
Db	564	TATGGATATCCTCAATCTTAAAGACAGCTTGTAATGTAATTTGTAATTTGTAATTT	505
Qy	4589	TTTACAGAAAGTCTATTTCCCTTGAACGAGAGGATGATGAAATTTACATTTGTTTTC	4648
Db	504	TTTACAGAAAGTCTATTTCCCTTGAACGAGAGGATGATGAAATTTACATTTGTTTTC	445

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Job time : 2110 secs

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; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9029
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-692-9029

Query Match      4.9%; Score 404; DB 9; Length 576;
Best Local Similarity 99.7%; Pred. No. 1.4e-196;
Matches 574; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

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Qy 576 ATTAGTTATGATATGATATCTCAATTCCTTAAGACAGCTTGTAAATGTATTTGTAAAA 517
Db      |||||
Qy 4577 ATTCTATATATTTTACAGAAAGTCTATTTCCCTTGAACGAAAGAGTATCGAATTTACA 4636
Db      |||||
Qy 516 ATTCTATATATTTTACAGAAAGTCTATTTCCCTTGAACGAAAGAGTATCGAATTTACA 457
Db      |||||
Qy 4637 TTAGTTTTTTCATACCTTTTGAACCTTTCGACCTCCGTAATAGGAACCTGTTCTTA 4696
Db      |||||
Qy 456 TTAGTTTTTTCATACCTTTTGAACCTTTCGACCTCCGTAATAGGAACCTGTTCTTA 397
Db      |||||
Qy 4697 CAGCTTTTCTATGCTAAACTTTGTTCTGTTTCAGTTCTAGAGTGTATACAGAACGAATTGA 4756
Db      |||||
Qy 396 CAGCTTTTCTATGCTAAACTTTGTTCTGTTTCAGTTCTAGAGTGTATACAGAACGAATTGA 337
Db      |||||
Qy 4757 TGTGTAACGTATGCAGACTGGTTGTAGTGAACAAATCTGTAACTATGACGTTTAAA 4816
Db      |||||
Qy 336 TGTGTAACGTATGCAGACTGGTTGTAGTGAACAAATCTGTAACTATGACGTTTAAA 277
Db      |||||
Qy 4817 TTTTCTTATCTGATTTTGGTAAAGTATTCCTTAGATAGG-TTTTCTTGAAGAACTGGGAT 4875
Db      |||||
Qy 276 TTTTCTTATCTGATTTTGGTAAAGTATTCCTTAGATAGGTTTCTTGAAGAACTGGGAT 217
Db      |||||
Qy 4876 TGAGAGGTGATGAATGGAATTCCTTCACTTCAATATATGCAAGTTTCAATAATTAGG 4935
Db      |||||
Qy 216 TGAGAGGTGATGAATGGAATTCCTTCACTTCAATATATGCAAGTTTCAATAATTAGG 157
Db      |||||
Qy 4936 TCTAAGTGGAGTTTAAAGTTTACTGATGACCTTACAAATATGGCTCTGATTTGGCAATA 4995
Db      |||||
Qy 156 TCTAAGTGGAGTTTAAAGTTTACTGATGACCTTACAAATATGGCTCTGATTTGGCAATA 97
Db      |||||
Qy 4996 CTCATTTGAGTTCCTTCCATTTGACCTAAATTTAACTGGTGAATTTAAAGTGAATTCATG 5055
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Qy 96 CTCATTTGAGTTCCTTCCATTTGACCTAAATTTAACTGGTGAATTTAAAGTGAATTCATG 37
Db      |||||
Qy 5056 GCCTCATCTTTAAAGCTTTTACTAAAGATTTTTCAG 5091
Db      |||||
Qy 36 GCCTCATCTTTAAAGCTTTTACTAAAGATTTTTCAG 1
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Perfect score: 8253
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Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

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Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2937	35.6	3934	3	US-09-226-568-18
2	2818	34.1	3946	1	US-08-077-848A-1
3	2818	34.1	3946	3	US-09-211-640-1
4	2818	34.1	3946	3	US-09-378-536-1
5	2818	34.1	3946	4	US-09-687-260-1
6	2818	34.1	3946	5	PCT-US94-03547-1
C 7	138	1.7	440	4	US-09-702-705-403
C 8	138	1.7	440	4	US-09-736-457-403
C 9	138	1.7	440	4	US-09-614-124B-403
C 10	138	1.7	440	4	US-09-671-325-403
C 11	138	1.7	440	4	US-09-589-184-403
C 12	118	1.4	445	4	US-09-621-976-8239
C 13	73	0.9	566	4	US-09-621-976-3389
C 14	57	0.7	506	4	US-09-621-976-1689
C 15	57	0.7	629	4	US-09-833-381-1017
C 16	55	0.7	36741	3	US-09-301-665-3
C 17	49	0.6	498	4	US-09-621-976-2829
C 18	47	0.6	43950	4	US-09-735-934A-3
C 19	47	0.6	43950	4	US-10-060-332-3
C 20	46	0.6	475	4	US-09-621-976-7898
C 21	46	0.6	9377	4	US-09-801-874-3
C 22	44	0.5	867	1	US-08-033-857A-9
C 23	44	0.5	867	1	US-08-374-983A-9
C 24	44	0.5	867	1	US-08-374-983A-13
C 25	44	0.5	50000	4	US-09-146-053-3
C 26	44	0.5	70000	4	US-09-851-896-3
C 27	43	0.5	6060	5	PCT-US96-09430-7

C	28	0.5	17949	3	US-09-087-465-3	Sequence 3, Appli
C	29	0.5	116592	4	US-09-818-512-3	Sequence 3, Appli
C	30	0.5	162450	4	US-09-345-882-1	Sequence 1, Appli
C	31	0.5	319608	4	US-09-539-333D-1	Sequence 1, Appli
C	32	0.5	319608	4	US-09-679-409-1	Sequence 1, Appli
C	33	0.5	483	4	US-03-621-976-17538	Sequence 17538, A
C	34	0.5	589	4	US-09-621-976-17537	Sequence 17537, A
C	35	0.5	16063	4	US-09-801-052-3	Sequence 3, Appli
C	36	0.5	16063	4	US-10-020-121-3	Sequence 3, Appli
C	37	0.5	349	3	US-09-385-982-22	Sequence 22, Appli
C	38	0.5	1001	4	US-09-641-638-265	Sequence 265, App
C	39	0.5	18853	4	US-03-820-005-3	Sequence 3, Appli
C	40	0.5	20303	1	US-08-370-975B-6	Sequence 6, Appli
C	41	0.5	28764	1	US-08-370-975B-1	Sequence 1, Appli
C	42	0.5	324	4	US-09-621-976-18960	Sequence 18960, A
C	43	0.5	531	4	US-09-404-879A-24	Sequence 24, Appl
C	44	0.5	531	4	US-09-338-933-24	Sequence 24, Appl
C	45	0.5	531	4	US-09-215-681-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-09-226-568-18
; Sequence 18, Application US/09226568
; Patent No. 6001392
; GENERAL INFORMATION:
; APPLICANT: Ackermann, Elizabeth J.
; APPLICANT: Bennett, C. Frank
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcusson, Eric G.
; TITLE OF INVENTION: Antisense Modulation of No. 6001992el Anti-apoptotic
; TITLE OF INVENTION: bcl-2-Related Proteins
; FILE REFERENCE: ISFH-0337
; CURRENT APPLICATION NUMBER: US/09/226,568
; CURRENT FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 3934
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: antisense
; OTHER INFORMATION: sequence
US-09-226-568-18

Query Match	35.6%	Score	2937	DB	3	Length	3934
Best Local Similarity	100.0%	Pred. No.	0	Mismatches	0	Indels	0
Matches	2937	Conservative	0	Gaps	0		
QY	3767	GGATGGGTTTGTGGAGTTCTTCCATGTAGAGGACCTAGAGGTTGGCATCAGGAATGTGCT	3826				
DB	996	GGATGGGTTTGTGGAGTTCTTCCATGTAGAGGACCTAGAGGTTGGCATCAGGAATGTGCT	1055				
QY	3827	GCTGGCTTTTGCAGGTGTTGCTGGAGTAGAGCTGGTTGGCATATCTAATAGATAGCC	3886				
DB	1056	GCTGGCTTTTGCAGGTGTTGCTGGAGTAGAGCTGGTTGGCATATCTAATAGATAGCC	1115				
QY	3887	TTACTGTAAAGTGAATAGTTGACTTTTAAACCAACCAACCAACCAACCAACCAACCAAGTTTAT	3946				
DB	1116	TTACTGTAAAGTGAATAGTTGACTTTTAAACCAACCAACCAACCAACCAACCAACCAAGTTTAT	1175				
QY	3947	GCATTTGGACTCCAAAGCTGTAACTTCTTAGAGTTGACCTTAGCACTAGCCAGCAAAAG	4006				
DB	1176	GCATTTGGACTCCAAAGCTGTAACTTCTTAGAGTTGACCTTAGCACTAGCCAGCAAAAG	1235				
QY	4007	CAAGTGGCAAGAGGATTATGCTTAACAAGATAAATACATGGGAAGAGTGTCTCCCATTTG	4066				
DB	1236	CAAGTGGCAAGAGGATTATGCTTAACAAGATAAATACATGGGAAGAGTGTCTCCCATTTG	1295				
QY	4067	ATTGAAGAGTCACTGTCTCTGAAGAGCAAAAGTTTCAGTTTCAGCAACAAACAACTTTGTT	4126				

1296 ATTGAAGTCTACCTGCTGTAAGAGGCAAGAGTTCAGTTCAGCAACAAACAATTGTT 1355
1297 TGGAGAGCTATGAGAGGAGCACTTTAGATTAGTGAAGATGGTAGGGTGAAGAGACTTAA 4186
1298 TGGAGAGCTATGAGAGGAGCACTTTAGATTAGTGAAGATGGTAGGGTGAAGAGACTTAA 1415
1299 TTTCTCTCTTCAGAACAGGAAAGTGGCCAGTGAAGCCAGGCAAGTATAGATTTACCC 4246
1300 TTTCTCTCTTCAGAACAGGAAAGTGGCCAGTGAAGCCAGGCAAGTATAGATTTACCC 1475
1301 CCCGAATTCATTAATTACTCTAGTAGTGTGTTAAGAGAGCACAAAGATGCCAGTGACCT 4306
1302 CCCGAATTCATTAATTACTCTAGTAGTGTGTTAAGAGAGCACAAAGATGCCAGTGACCT 1535
1303 GTGTAAAGTTTACAAGTAATAGAACTATGACTGTAAAGCCTCAGTACTGTACAGAGGAGC 4366
1304 GTGTAAAGTTTACAAGTAATAGAACTATGACTGTAAAGCCTCAGTACTGTACAGAGGAGC 1595
1305 TTTTCCCTCTCTCTAATTAGCTTTCCAGTATACCTTTAGAAAGTCCAAAGTGTTCAGGAC 4426
1306 TTTTCCCTCTCTCTAATTAGCTTTCCAGTATACCTTTAGAAAGTCCAAAGTGTTCAGGAC 1655
1307 TTTTATACCTGTTATACCTTTGGCTGGTTCATGATTTCTACTTTATAGCCTAGTTTAT 4486
1308 TTTTATACCTGTTATACCTTTGGCTGGTTCATGATTTCTACTTTATAGCCTAGTTTAT 1715
1309 CACCAATAATCTTGAAGGAGGCTCAGTAATAGTATAGTATAGTATAGTATAGTATAGTAT 4546
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1311 TTAAGACAGCTGTGAATGTTTGTAAAAATGTAATATATATATATATATATATATATATAT 4606
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1316 CAACCTCCGTAATAGGAACCTGTTTCTTACAGCTTTTCTATGCTAAACTTTGTTCTGTT 1955
1317 CAGTCTAGAGTGATACAGAACCAATGATGATGATGATGATGATGATGATGATGATGATG 4786
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1330 TTCAGCTGAATGGAACTCATTTAGCTGTGTGATATAAAAGATCACATCAGGTGGATGGA 2375
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2378 TAGTCTAACCATGCTGCTATTAATTAGGCTTGCTGTTTACACACACAGGCTTAAGCTAGT 2495
2379 ATGTCAATAAAGCAAACTACTTCTGTTTCTTATTAATGATTTCCCAAACTTTGTTGC 5326
2380 ATGTCAATAAAGCAAACTACTTCTGTTTCTTATTAATGATTTCCCAAACTTTGTTGC 2555
2381 AAGTTTTTGCATTTGCAATTTTGGATTTTCAAGTCTTGTGTTTGTCTATCAGACTTAACC 5386
2382 AAGTTTTTGCATTTGCAATTTTGGATTTTCAAGTCTTGTGTTTGTCTATCAGACTTAACC 2615
2383 TTTTATTTTCCCTGCTTCTTCTGAAATGCTGATTTGCTGCTCCCTTACAGATATTAT 5446
2384 TTTTATTTTCCCTGCTTCTTCTGAAATGCTGATTTGCTGCTCCCTTACAGATATTAT 2675
2385 ATCAATTTCCCTACAGCTTTCCCTGCAATCCCTGCAATCCCTTCTAGCCCTTTTGTGTTG 5506
2386 ATCAATTTCCCTACAGCTTTCCCTGCAATCCCTGCAATCCCTTCTAGCCCTTTTGTGTTG 2735
2387 GCATGTTGAACCCCTGCTGGAACCTGAGTGACCCCTCCCTCCCAACCAAGAGTCCACAG 5566
2388 GCATGTTGAACCCCTGCTGGAACCTGAGTGACCCCTCCCTCCCAACCAAGAGTCCACAG 2795
2389 ACCTTTTCACTTTTACAGAACTTGTCTGTTAGCAGGTGTTAATACCATGGTGTCTGTA 5626
2390 ACCTTTTCACTTTTACAGAACTTGTCTGTTAGCAGGTGTTAATACCATGGTGTCTGTA 2855
2391 CATTAACAGCTCATTTGAGAGGTTGGAGAGTCCCTTTTCTTGGAGTGGTATCTTTTCAA 5686
2392 CATTAACAGCTCATTTGAGAGGTTGGAGAGTCCCTTTTCTTGGAGTGGTATCTTTTCAA 2915
2393 CTATTGTTTATCTGCTTTTGGGGCAATGTTGCTCAAAAGTCCCTCAGGAATTTTCAAG 5746
2394 CTATTGTTTATCTGCTTTTGGGGCAATGTTGCTCAAAAGTCCCTCAGGAATTTTCAAG 2975
2395 GGAAAGAACATTTTATAGGCTTTCTCTAAAGTTTCTTGTATAGGAGTATGCTCACTT 5806
2396 GGAAAGAACATTTTATAGGCTTTCTCTAAAGTTTCTTGTATAGGAGTATGCTCACTT 3035
2397 AAATTTTACAGAAAGGTTGAGCTGTGTTAAACCTCAGAGTTTAAAGTCTACTGATAACT 5866
2398 AAATTTTACAGAAAGGTTGAGCTGTGTTAAACCTCAGAGTTTAAAGTCTACTGATAACT 3095
2399 GAAGAAGTGTCTATTTTGGAACTAGGCTCAATTTGAAAGTTCAGTCTCGGAACATGACC 5926
2400 GAAGAAGTGTCTATTTTGGAACTAGGCTCAATTTGAAAGTTCAGTCTCGGAACATGACC 3155
2401 TTTAGTCTGTGACCTCCATTTTAAATAGGTTATGATGATGATGATGATGATGATGATGAT 5986
2402 TTTAGTCTGTGACCTCCATTTTAAATAGGTTATGATGATGATGATGATGATGATGATGAT 3215
2403 GAAGAAGTGTCTATTTTGGAACTAGGCTCAATTTGAAAGTTCAGTCTCGGAACATGACC 6046
2404 GAAGAAGTGTCTATTTTGGAACTAGGCTCAATTTGAAAGTTCAGTCTCGGAACATGACC 3275
2405 TACCTATGATTTATCTGTTTGTGATCAAGCCGCTTATTTATATCATGATGATCTTAAG 6106
2406 TACCTATGATTTATCTGTTTGTGATCAAGCCGCTTATTTATATCATGATGATCTTAAG 3335
2407 ACCTAAAGACCTTTATGATGTTTAAATTAATCTTAAGATCTGCTTACGGTAACTAAAA 6166
2408 ACCTAAAGACCTTTATGATGTTTAAATTAATCTTAAGATCTGCTTACGGTAACTAAAA 3395
2409 GCCTGTCTGCCAAATCCAGTGGAAACAAGTGATGATGATGATGATGATGATGATGATGAT 6226
2410 GCCTGTCTGCCAAATCCAGTGGAAACAAGTGATGATGATGATGATGATGATGATGATGAT 3455
2411 CACTTTCCCAATTCATTAGGTATGCTGTTGGAATAACAGCAAGGACTTAGTTGATTTT 6286
2412 CACTTTCCCAATTCATTAGGTATGCTGTTGGAATAACAGCAAGGACTTAGTTGATTTT 3515

QY 6287 GGGCTGGGGCAGTCAGGCTTATAGGACACCCCAAGCTGGTTGGGAAAGGAGGAGGAGTG 6346
Db 3516 GGGCTTGGGGCAGTCAGGCTTATAGGACACCCCAAGCTGGTTGGGAAAGGAGGAGGAGTG 3575
QY 6347 GTGGGTTTATAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6406
Db 3576 GTGGGTTTATAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3635
QY 6407 GCAATCTCCAAAAGGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6466
Db 3636 GCAATCTCCAAAAGGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3695
QY 6467 CTTTTGACTTCTGTTTCTTACCTTCTCTCAGGAAACATGAGTCTCTAGTGT 6526
Db 3696 CTTTTGACTTCTGTTTCTTACCTTCTCTCAGGAAACATGAGTCTCTAGTGT 3755
QY 6527 TTCAATGTCATCTCTGGGGGTGAACACCTTGTCTTCTGGTTAAACAGCTCTACTTTTGA 6586
Db 3756 TTCAATGTCATCTCTGGGGGTGAACACCTTGTCTTCTGGTTAAACAGCTCTACTTTTGA 3815
QY 6587 TAGCTGTCCAGGAGGTTAGGACCAACTACAAATTAATGTTGGTTGTTCAATGTTAGTG 6646
Db 3816 TAGCTGTCCAGGAGGTTAGGACCAACTACAAATTAATGTTGGTTGTTCAATGTTAGTG 3875
QY 6647 TGTTCCTTAACTTCTGTTTCTGAGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 6703
Db 3876 TGTTCCTTAACTTCTGTTTCTGAGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3932

RESULT 2

US-08-077-848A-1
; Sequence 1, Application US/08077848A
; Patent No. 5470955
; GENERAL INFORMATION:
; APPLICANT: Craig, Ruth W.
; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Spensley Horn Juntas & Lubitz
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/077,848A
; FILING DATE: 16-JUN-1993
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: PD-2845
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO. 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3946 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mcl-1
; FEATURE:
; NAME/KEY: CDS

LOCATION: 61..1110 /note= "When nucleotide 740 = C,
OTHER INFORMATION: amino acid 227 = A; when nucleotide 740 = T, amino
; OTHER INFORMATION: acid 227 = V."
; US-08-077-848A-1
Query Match 34.1%; Score 2818; DB 1; Length 3946;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2869; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 3767 GGATGGGTTTGTGGAGTTCTTCCATGTAGAGGACCTAGAGGTTGGCATCAGGAATGTGCT 3826
Db 996 GGATGGGTTTGTGGAGTTCTTCCATGTAGAGGACCTAGAGGTTGGCATCAGGAATGTGCT 1055
QY 3827 GCTGGCTTTTGGCAGTGTGTGCTGGAGTAGAGAGTGGTTGGCATATCTAATAAGATAGCC 3886
Db 1056 GCTGGCTTTTGGCAGTGTGTGCTGGAGTAGAGAGTGGTTGGCATATCTAATAAGATAGCC 1115
QY 3887 TTAAGTGAAGTCAATAGTTGACCTTTTAAACCAACCAACCAACCAACCAACCAACCAAGTTAT 3946
Db 1116 TTAAGTGAAGTCAATAGTTGACCTTTTAAACCAACCAACCAACCAACCAACCAACCAAGTTAT 1175
QY 3947 GCAGTTGGACTCCAAAGCTGTAACTTCTAGAGTTGCACTAGCAACCTAGCCAGAGAAAG 4006
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QY 4007 CAAGTGGCAGAGGATTTATGGCTTAAACAGATTAATACATGGAGAGTGCTCCCATTTG 4066
Db 1236 CAAGTGGCAGAGGATTTATGGCTTAAACAGATTAATACATGGAGAGTGCTCCCATTTG 1295
QY 4067 ATTGAAGAGTCACTGTCTGAAGAAGCAAAAGTTCACTTTTCAAGCAACAAACAACTTTGTT 4126
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Db 1476 GCCGAATTCATTAATTTACTGTAGTAGTGTTAAGAGAGCACTAAGATGCCAGTACCT 1535
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QY 4367 TTTTCTCTCTCTAAATAGCTTTCCAGTATATCTTCTTAGAAGTCCAGTGTTCAGGAC 4426
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QY 4607 CCTTGAACGAGGAGGAGTATCGAATTTACATTTAGTTTTCATACCCCTTTGAACTTTG 4666
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QY 4787 GAACAAATCTGATAAATCATATGAGGTTTAAATTTTCTTATCTGATTTTGGTAAGTATTCCT 4846
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QY 2136 TCATTATATGCAAGTTTCTTAAATTAATAGGTTCTAAGTGGAGTTTAAAGGTTTACTGATGACT 2195
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QY 5027 TAACGTGTGAATTTAAAGTGAATTCATGGGCTCATCTTTTAAAGCTTTTACTAAAGATT 5086
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QY 2376 GAGACATTGATCCCTGTGTTGCTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2435
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QY 2496 ATGTCAATAAAGCAATACATCTGTTTGTGTTTCTAATTAATTAATTAATTAATTAATTAATTAAT 2555
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QY 5327 AAGTTTTGATGGGATCTTTGGATTCAGTCTGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 5386
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QY 2796 ACCTTTCACTTTTCAAGAACTTCTGTTAGCAGGTTGTAATACATGCGGTGCTGTGA 2855
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QY 2856 CACTAACAGTCATTGAGAGGTTGGAGGAGTCCCTTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2915
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QY 5687 CTATTGTTTTATCTGCTTTTGGGGCAATGTTGTCACAAAGTCCCTTCAGAAATTTTCA 5746
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QY 5807 AAATTTACAGAAAGGTTGAGCTGTGTTTAAACCTCAGAGTTTAAAGCTACTGATAACT 5866
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DB |||||
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DB |||||
QY 3816 TAGCTGTGCCAGGAGGTTAGGACCAACTACAAATTAATTTGTTGGTTGT 3864
DB |||||

RESULT 3

US-09-211-640-1

; Sequence 1, Application US/09211640

; Patent No. 6020466

; GENERAL INFORMATION:

; APPLICANT: Craig, Ruth W.

; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1

; TITLE OF INVENTION: POLYPEPTIDE

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Spensley Horn Jubas & Lubitz

; STREET: 1880 Century Park East, Suite 500

; CITY: Los Angeles

; STATE: California

; COUNTRY: USA

; ZIP: 90067

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: US/09/211,640
APPLICATION NUMBER: 08/441,375
CLASSIFICATION:
PRIOR APPLICATION DATA:
ATTORNEY/AGENT INFORMATION:
NAME: Halle, Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: PD-2845
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3946 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mcl-1
FEATURE:
NAME/KEY: CDS
LOCATION: 61..1110
OTHER INFORMATION: /note= "When nucleotide 740 = C,
OTHER INFORMATION: amino acid 227 = A; when nucleotide 740 = T, amino
OTHER INFORMATION: acid 227 = V."
US-09-211-640-1

Query Match 34.1%; Score 2818; DB 3; Length 3946;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2868; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	3767	GGATGGGTTTGGAGTCTTCCTCCTAGAGACCTAGAGGTGGCATCAGGAATGTGCT	3826
DB	996	GGATGGGTTTGGAGTCTTCCTCCTAGAGACCTAGAGGTGGCATCAGGAATGTGCT	1055
QY	3827	GCTGGCTTTTGCAGGTTGCTGGAGTAGAGCTGGTTGGCATCTAATAAGATAGCC	3886
DB	1056	GCTGGCTTTTGCAGGTTGCTGGAGTAGAGCTGGTTGGCATCTAATAAGATAGCC	1115
QY	3887	TACTGTAAAGTCAATAGTGTGACTTTTAAACCAACCAACCAACCAACCAACCAACCA	3946
DB	1116	TACTGTAAAGTCAATAGTGTGACTTTTAAACCAACCAACCAACCAACCAACCAACCA	1175
QY	3947	GCAGTTGGACTCCAGCTCTAAGTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG	4006
DB	1176	GCAGTTGGACTCCAGCTCTAAGTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG	1235
QY	4007	CAAGTGGCAAGAGGATTATGGCTTAAACAAGATAATACATGGAAGAGTGTCTCCCATG	4066
DB	1236	CAAGTGGCAAGAGGATTATGGCTTAAACAAGATAATACATGGAAGAGTGTCTCCCATG	1295
QY	4067	ATTGAAGTCACTGTCTGAAGAGCAAGTTCAGTTTTCAGCAACCAACCAACCAACCA	4126
DB	1296	ATTGAAGTCACTGTCTGAAGAGCAAGTTCAGTTTTCAGCAACCAACCAACCAACCA	1355
QY	4127	TGGGAAGCTATGGAGGAGCTTTTATAGTTTATAGTGAAGTGTAGGTTGGAAGACTTAA	4186
DB	1356	TGGGAAGCTATGGAGGAGCTTTTATAGTTTATAGTGAAGTGTAGGTTGGAAGACTTAA	1415
QY	4187	TTTCTTGTGAAACAGGAAGTGGCCAGTACCGCAAGTCAATAGATTTATACCC	4246
DB	1416	TTTCTTGTGAAACAGGAAGTGGCCAGTACCGCAAGTCAATAGATTTATACCC	1475
QY	4247	GCCGAATTCATTAAATTTACTGTAGTAGTGTGAAGAGACCACTAAGATGCCAGTGACCT	4306

DB	1476	GCCGAATTCATTAAATTTACTGTAGTAGTGTGAAGAGACCACTAAGATGCCAGTGACCT	1535
QY	4307	GTGTAAAGATTACCAAGTAATAGAACTATGACTGTAAAGCTCAGTCTGTACAAAGGAGC	4366
DB	1536	GTGTAAAGATTACCAAGTAATAGAACTATGACTGTAAAGCTCAGTCTGTACAAAGGAGC	1595
QY	4367	TTTTCCCTCTCTCTAATTAAGCTTTCCCAAGTATACCTTTAGAAAGTCCAAGTGTTCAGGAC	4426
DB	1596	TTTTCCCTCTCTCTAATTAAGCTTTCCCAAGTATACCTTTAGAAAGTCCAAGTGTTCAGGAC	1655
QY	4427	TTTTTATACCTGTATACCTTTGGCTTGGTTCATGATTTCTTATAGCTTATAGCTTAT	4486
DB	1656	TTTTTATACCTGTATACCTTTGGCTTGGTTCATGATTTCTTATAGCTTATAGCTTAT	1715
QY	4487	CACCAATAATACCTTGACGGAAGCTCAGTAATAGTATGAATATGATATCCCTCAATTC	4546
DB	1716	CACCAATAATACCTTGACGGAAGCTCAGTAATAGTATGAATATGATATCCCTCAATTC	1775
QY	4547	TTAAGACAGCTTGTAAATGTATTTTAAATTTATATATTTTACAGAAAGTCTATTT	4606
DB	1776	TTAAGACAGCTTGTAAATGTATTTTAAATTTATATATTTTACAGAAAGTCTATTT	1835
QY	4607	CCTTGAACGAAGGAGTATCGAATTTACATTTAGTATTTTTCATACCTTTTGAACCTTTG	4666
DB	1836	CCTTGAACGAAGGAGTATCGAATTTACATTTAGTATTTTTCATACCTTTTGAACCTTTG	1895
QY	4667	CAACTTCCGTAATPAGGAACCTGTTTCTTACAGCTTTTCTATGCTAAACCTTTGTTCTGTT	4726
DB	1896	CAACTTCCGTAATPAGGAACCTGTTTCTTACAGCTTTTCTATGCTAAACCTTTGTTCTGTT	1955
QY	4727	CAGTTCTAGAGTGTATACAGAACGATTTGATGTTGTAATCTGTCAGACCTGTTGTAAGT	4786
DB	1956	CAGTTCTAGAGTGTATACAGAACGATTTGATGTTGTAATCTGTCAGACCTGTTGTAAGT	2015
QY	4787	GAAACAAATCTGATAACTATGAGCTTTAAATTTTCTTATCTGATTTTGGTAAGTATTCCT	4846
DB	2016	GAAACAAATCTGATAACTATGAGCTTTAAATTTTCTTATCTGATTTTGGTAAGTATTCCT	2075
QY	4847	TAGATAGTGTCTTTTGAACCTGGGATTTGAGAGGTTGATGATGAAATCTTCTTCACT	4906
DB	2076	TAGATAGTGTCTTTTGAACCTGGGATTTGAGAGGTTGATGATGAAATCTTCTTCACT	2135
QY	4907	TCATTAATGCAAGTTTCAATTAATAGTCTAAGTGGAGTTTAAAGTTTACTGATGACT	4966
DB	2136	TCATTAATGCAAGTTTCAATTAATAGTCTAAGTGGAGTTTAAAGTTTACTGATGACT	2195
QY	4967	TACAAATAATGGGCTCTGATTTGGGCAATCTCATTTGAGTTCCTTCCATTTGACCTAAT	5026
DB	2196	TACAAATAATGGGCTCTGATTTGGGCAATCTCATTTGAGTTCCTTCCATTTGACCTAAT	2255
QY	5027	TAACTGGTGAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTAAAAGATT	5086
DB	2256	TAACTGGTGAATTTAAAGTGAATTCATGGGCTCATCTTTAAAGCTTTTACTAAAAGATT	2315
QY	5087	TTACGCTGAATGGAACCTCATTAGTGTGCATATAAAAGATCAATCAGGTGGATGGA	5146
DB	2316	TTACGCTGAATGGAACCTCATTAGTGTGCATATAAAAGATCAATCAGGTGGATGGA	2375
QY	5147	GAGACATTTGCATCCCTTGTGTTTAAATTAATTAATTAATTAATTAATTAATTAATTA	5206
DB	2376	GAGACATTTGCATCCCTTGTGTTTAAATTAATTAATTAATTAATTAATTAATTAATTA	2435
QY	5207	TAGTCTAACCATGGTGTCTATTATTAGGCTTGTCTTGTGTACACACAGGTCTAAGCTTAGT	5266
DB	2436	TAGTCTAACCATGGTGTCTATTATTAGGCTTGTCTTGTGTACACACAGGTCTAAGCTTAGT	2495
QY	5267	ATGTCATAAAGCAATACCTTACTGTTTGTCTTATTAATTAATTAATTAATTAATTAAT	5326
DB	2496	ATGTCATAAAGCAATACCTTACTGTTTGTCTTATTAATTAATTAATTAATTAATTAAT	2555
QY	5327	AAGTTTTTGCAATGCGCATCTTTGGAATTTCAAGTCTGTATGTTGTTCTTATCAGACTTAACC	5386

Db 2556 AAGTTTTTGCATTTGGCATCTTTGGATTTCAAGTCTTGATTTTGTCTATCAGACTTAACC 2615
Qy 5387 TTTTATTTCTGCTCCTTCCCTTGAATTTGCTGATTTGTTCTCTCCTCTCAGATATTTAT 5446
Db 2616 TTTTATTTCTGCTCCTTCCCTTGAATTTGCTGATTTGTTCTCTCCTCTCAGATATTTAT 2675
Qy 5447 ATCAATTTCTACAGCTTTCCCTCTGCCATCCCTGAACTCTTTCTAGCCCTTTAGATTTTG 5506
Db 2676 ATCAATTTCTACAGCTTTCCCTCTGCCATCCCTGAACTCTTTCTAGCCCTTTAGATTTTG 2735
Qy 5507 GCACCTGGAACCCCTCTGCTGAAACCTTGAGTGACCCCTCCCTCCCAACCAAGTCCACAG 5566
Db 2736 GCACCTGGAACCCCTCTGCTGAAACCTTGAGTGACCCCTCCCTCCCAACCAAGTCCACAG 2795
Qy 5567 ACCCTTTCACTTTTCAACCACTTGATCTCTGTTAGCAGGTGTAATACCATGGGTGCTGTGA 5626
Db 2796 ACCCTTTCACTTTTCAACCACTTGATCTCTGTTAGCAGGTGTAATACCATGGGTGCTGTGA 2855
Qy 5627 CACTAACAGTCATTTGAGAGGTGGAGGAAGTCCCTTTCTTGGAATGCTGATCTTTTCAA 5686
Db 2856 CACTAACAGTCATTTGAGAGGTGGAGGAAGTCCCTTTCTTGGAATGCTGATCTTTTCAA 2915
Qy 5687 CTATTTGTTTATCTGCTTTGGGGCAATGTGTCRAAGTCCCTCCCAAGAAATTTTCAA 5746
Db 2916 CTATTTGTTTATCTGCTTTGGGGCAATGTGTCRAAGTCCCTCCCAAGAAATTTTCAA 2975
Qy 5747 GGAAAGAACATTTTATGAGGCTTTCTCTAAAGTTTCTTTGTTATAGGAGTATGCTCACIT 5806
Db 2976 GGAAAGAACATTTTATGAGGCTTTCTCTAAAGTTTCTTTGTTATAGGAGTATGCTCACIT 3035
Qy 5807 AATTTTACAGAAAGGTGAGCTGTGTTAAACCTCAGAGTTTAAAGCTACTGATAACT 5866
Db 3036 AATTTTACAGAAAGGTGAGCTGTGTTAAACCTCAGAGTTTAAAGCTACTGATAACT 3095
Qy 5867 GAAGAAAGTGTCTATATTGAACTAGGCTCATTTGAAAGCTTCAGTCTCGAATGACC 5926
Db 3096 GAAGAAAGTGTCTATATTGAACTAGGCTCATTTGAAAGCTTCAGTCTCGAATGACC 3155
Qy 5927 TTTAGCTGTGGACTCCATTTAAATAAGTATGATTAAGTACGCTAAGAAATTAATGGG 5986
Db 3156 TTTAGCTGTGGACTCCATTTAAATAAGTATGATTAAGTACGCTAAGAAATTAATGGG 3215
Qy 5987 GAAGAACTGCCCTCCCTGCCATCTCAGAGCCATAGGCTCATCTTGTCTAGCTATTTT 6046
Db 3216 GAAGAACTGCCCTCCCTGCCATCTCAGAGCCATAGGCTCATCTTGTCTAGCTATTTT 3275
Qy 6047 TACCTATGTTATTCGTTCTTGATCATAGCCGCTTTATTTATATCATGTATCTCTAAGG 6106
Db 3276 TACCTATGTTATTCGTTCTTGATCATAGCCGCTTTATTTATATCATGTATCTCTAAGG 3335
Qy 6107 ACCTTAAAGCACTTTATGTAGTTTAAATTAATCTTAAGATCTGTTACGGTAACTAAA 6166
Db 3336 ACCTTAAAGCACTTTATGTAGTTTAAATTAATCTTAAGATCTGTTACGGTAACTAAA 3395
Qy 6167 GCCTGTCTGCCAAATCCAGTGGAAACAGTGCATAGATGGAATGGTTTGTAGGGGCC 6226
Db 3396 GCCTGTCTGCCAAATCCAGTGGAAACAGTGCATAGATGGAATGGTTTGTAGGGGCC 3455
Qy 6227 CACTTCCCAATTCATTTAGGTATGATCTGTGAAATACAGACAGGACTTACTGATATTTT 6286
Db 3456 CACTTCCCAATTCATTTAGGTATGATCTGTGAAATACAGACAGGACTTACTGATATTTT 3515
Qy 6287 GGGCTTCGGGAGTGGGCTTAGGACACCCCAAGTGGTTTGGAAAGGAGGAGGAGTG 6346
Db 3516 GGGCTTCGGGAGTGGGCTTAGGACACCCCAAGTGGTTTGGAAAGGAGGAGGAGTG 3575
Qy 6347 GTGGGTTTATAGGGAGGAGGAGGAGGAGTGTCTAAGTGTGCTAGCTGGCTACGTAGTCGG 6406
Db 3576 GTGGGTTTATAGGGAGGAGGAGGAGGAGTGTCTAAGTGTGCTAGCTGGCTACGTAGTCGG 3635
Qy 6407 GCAAAATCTCCAAAGGAAAGGAGGAGGATTTGCTTAGAAGGATGGGGCTCCCACTGACTA 6466
Db 3636 GCAAAATCTCCAAAGGAAAGGAGGAGGATTTGCTTAGAAGGATGGGGCTCCCACTGACTA 3695

Qy 6467 CTTTTTGACTTCTGTTTCTTACGCTTCTCTCAGGAAACATGACGCTCTCTAGTGT 6526
Db 3696 CTTTTTGACTTCTGTTTCTTACGCTTCTCTCAGGAAACATGACGCTCTCTAGTGT 3755
Qy 6527 TTCATGTACATTTCTGTGGGGGTGAACACCTTTGGTTCTGTTAAACAGCTGTACTTTTGA 6586
Db 3756 TTCATGTACATTTCTGTGGGGGTGAACACCTTTGGTTCTGTTAAACAGCTGTACTTTTGA 3815
Qy 6587 TAGCTGTGCCAGGAGGCTTAGGACCAACTACAAATTAATTTGTTGT 6635
Db 3816 TAGCTGTGCCAGGAGGCTTAGGACCAACTACAAATTAATTTGTTGTGT 3864

RESULT 4

US-09-378-536-1
; Sequence 1, Application US/09378536
; Patent No. 6200783
; GENERAL INFORMATION:
; APPLICANT: Craig, Ruth W.
; TITLE OF INVENTION: ANTIBODIES WHICH SPECIFICALLY BIND mcl-1
; TITLE OF INVENTION: POLYPEPTIDE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,536
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/077,848
; FILING DATE: 16-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: PD-2845
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3946 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: mcl-1
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 61..1110
; OTHER INFORMATION: /note= "When nucleotide 740 = C,
; OTHER INFORMATION: amino acid 227 = A; when nucleotide 740 = T, amino
; OTHER INFORMATION: acid 227 = V."
US-09-378-536-1

Query Match 34.1%; Score 2818; DB 3; Length 3946;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2868; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3767 GGATGGGTTTGGAGTTCTTCCATGTAGAGACCTAGAGGTGGCATCAGGAATGTGCT 3826
Db 996 GGATGGGTTTGGAGTTCTTCCATGTAGAGACCTAGAGGTGGCATCAGGAATGTGCT 1055

Qy	3827	GCTGGCTTTTGCGAGTGTGCTGAGCTAGAGCTGGTTTGGCATATCTAATAAGATAGCC	3886
Db	1056	GCTGGCTTTTGCGAGTGTGCTGAGTAGGAGCTGGTTTGGCATATCTAATAAGATAGCC	1115
Qy	3887	TTACTGTAAGTGCAATAGTTGACTTTTAAACCACACCCACACACCAACACCAAGCTTTAT	3946
Db	1116	TTACTGTAAGTGCAATAGTTGACTTTTAAACCACACCCACACCAACACCAAGCTTTAT	1175
Qy	3947	GCAGTGGACCTCRAAGCTGAACCTCCTAGAGTTGCACTTAGCAACTAGCCAGCAAG	4006
Db	1176	GCAGTGGACCTCRAAGCTGAACCTCCTAGAGTTGCACTTAGCAACTAGCCAGCAAG	1235
Qy	4007	CAAGTGGCAAGGAGTATGCTTAACAAGATAAATACATGGGAAGAGTGTCTCCCAATTG	4066
Db	1236	CAAGTGGCAAGGAGTATGCTTAACAAGATAAATACATGGGAAGAGTGTCTCCCAATTG	1295
Qy	4067	ATTGAAGAGTCACCTGCTGGAAGAGCAAGTTCAGTTTCAGCAACAAACAACTTTGTT	4126
Db	1296	ATTGAAGAGTCACCTGCTGGAAGAGCAAGTTCAGTTTCAGCAACAAACAACTTTGTT	1355
Qy	4127	TGGGAAGCTATGGAGGAGCACTTTTAGATTTAGTGAAGATGGTAGGGTGAAAGACTTAA	4186
Db	1356	TGGGAAGCTATGGAGGAGCACTTTTAGATTTAGTGAAGATGGTAGGGTGAAAGACTTAA	1415
Qy	4187	TTTTCCTTTTGAGAACAGGAAGTGGCCAGTAGCCAGCAAGTCATAGAAATTGATTACC	4246
Db	1416	TTTTCCTTTTGAGAACAGGAAGTGGCCAGTAGCCAGCAAGTCATAGAAATTGATTACC	1475
Qy	4247	GCCGAATTCATTAATTTACTGTAGTAGTGTGTTAAGAGAAGCACTAAGAAATGCCAGTGACCT	4306
Db	1476	GCCGAATTCATTAATTTACTGTAGTAGTGTGTTAAGAGAAGCACTAAGAAATGCCAGTGACCT	1535
Qy	4307	GTGTAAAGTTACAAAGTAATAGAACTATGACTGTGAAGCCTCAGTACTGTACAGGGAAGC	4366
Db	1536	GTGTAAAGTTACAAAGTAATAGAACTATGACTGTGAAGCCTCAGTACTGTACAGGGAAGC	1595
Qy	4367	TTTTTCCTCTCTAAATTAGCTTTTCCCAGTACTCTTTAGAAAAGTCCAAGTGTTCAGGAC	4426
Db	1596	TTTTTCCTCTCTAAATTAGCTTTTCCCAGTACTCTTTAGAAAAGTCCAAGTGTTCAGGAC	1655
Qy	4427	TTTTTATACCTGTTATATCTTTGGCTTGCTTCATGATTTCTTACTTTATAGCCTAGTTTAT	4486
Db	1656	TTTTTATACCTGTTATATCTTTGGCTTGCTTCATGATTTCTTACTTTATAGCCTAGTTTAT	1715
Qy	4487	CACCAATAATACCTTGACGGAAGGCTCAGTAATTAGTATTGAAATAGATGATATCCTCAATTC	4546
Db	1716	CACCAATAATACCTTGACGGAAGGCTCAGTAATTAGTATTGAAATAGATGATATCCTCAATTC	1775
Qy	4547	TTAAGACAGCTTGTAAATGTATTGTGTAATAATTTGTATATATTTTACAGAAAGTCATTTT	4606
Db	1776	TTAAGACAGCTTGTAAATGTATTGTGTAATAATTTGTATATATTTTACAGAAAGTCATTTT	1835
Qy	4607	CTTTGAAACGAAGGAAGTATCGAATTTTACATTTAGTTTTCATACCCCTTTTGAACCTTTG	4666
Db	1836	CTTTGAAACGAAGGAAGTATCGAATTTTACATTTAGTTTTCATACCCCTTTTGAACCTTTG	1895
Qy	4667	CAACTTCGGTAATTAGAACTGTTTCTTACAGCTTTTCTATGCTAAACCTTTGTTCTGTT	4726
Db	1896	CAACTTCGGTAATTAGAACTGTTTCTTACAGCTTTTCTATGCTAAACCTTTGTTCTGTT	1955
Qy	4727	CAGTTCTAGAGTGTATACAGAACGAATTGATGTGTAACCTGTATGCACTGGTGTAGTG	4786
Db	1956	CAGTTCTAGAGTGTATACAGAACGAATTGATGTGTAACCTGTATGCACTGGTGTAGTG	2015
Qy	4787	GAACAAATCTGATAACTATGCAAGTTTAAATTTTCTTATCTGATTTTGGTAAAGTATTCCT	4846
Db	2016	GAACAAATCTGATAACTATGCAAGTTTAAATTTTCTTATCTGATTTTGGTAAAGTATTCCT	2075
Qy	4847	TAGATAGGTTTTCTTTGAAACCTGGGAATGAGAGTTGATGAATGAAATCTTTCACT	4906
Db	2076	TAGATAGGTTTTCTTTGAAACCTGGGAATGAGAGTTGATGAATGAAATCTTTCACT	2135

QY	4907	TCATTTATATGCAAGT	TTTCAATAAATAATAGG	CTAAGTGGAGT	TTTAAAGT	TACTGATGACT	4966
DB	2136	TCATTTATATGCAAGT	TTTCAATAAATAATAGG	CTAAGTGGAGT	TTTAAAGT	TACTGATGACT	2195
QY	4967	TACAAAATAATGGGCT	CTGATTGGGCAATACT	CATTTCGAGT	TCCCTTCATTTGACCTAAT		5036
DB	2196	TACAAAATAATGGGCT	CTGATTGGGCAATACT	CATTTCGAGT	TCCCTTCATTTGACCTAAT		2255
QY	5027	TAACTGGTGAAAT	TTTAAAGTGAATTCAT	TGGGCTCATCTTTAAAGCT	TTTTTACTATAAAGAT		5086
DB	2256	TAACTGGTGAAAT	TTTAAAGTGAATTCAT	TGGGCTCATCTTTAAAGCT	TTTTTACTATAAAGAT		2315
QY	5087	TTGAGCTGAATGGGA	ACTCATTTAGCTGTGTGCAT	ATAAAGATCACAT	CAGGTGGATGGA		5148
DB	2316	TTGAGCTGAATGGGA	ACTCATTTAGCTGTGTGCAT	ATAAAGATCACAT	CAGGTGGATGGA		2375
QY	5147	GAGACATTTGATCC	CTTTGTTTGTCTTAATAA	TTATAAATGATGGCT	TGGAAAAACGAGGC		5206
DB	2376	GAGACATTTGATCC	CTTTGTTTGTCTTAATAA	TTATAAATGATGGCT	TGGAAAAACGAGGC		2435
QY	5207	TAGTCTAACCACTGG	TGCTATTATTAGGCTTGCT	TGTTTACACACACAGGT	CTTAAGCCTTAGT		5266
DB	2436	TAGTCTAACCACTGG	TGCTATTATTAGGCTTGCT	TGTTTACACACACAGGT	CTTAAGCCTTAGT		2495
QY	5267	ATGTCAATAAAGCAA	AATACTTACTTGTTTGT	TTTCTTAATAATGAT	TCCCAAACTTTGTTGC		5326
DB	2496	ATGTCAATAAAGCAA	AATACTTACTTGTTTGT	TTTCTTAATAATGAT	TCCCAAACTTTGTTGC		2555
QY	5327	AAGTTTTTGCAATGG	CAATCTTTGGAATTTAGT	CTTGATGTTTGTCTAT	CGACCTTAAC		5386
DB	2556	AAGTTTTTGCAATGG	CAATCTTTGGAATTTAGT	CTTGATGTTTGTCTAT	CGACCTTAAC		2615
QY	5387	TTTTTATTTCTGTCC	TTTCCCTTGAAATTTGCT	GATTTGTTCTGCTCC	CTACAGATATTAT		5446
DB	2616	TTTTTATTTCTGTCC	TTTCCCTTGAAATTTGCT	GATTTGTTCTGCTCC	CTACAGATATTAT		2675
QY	5447	ATCAATTTCTACAG	CTTTCCCTCCCATCCCT	GAACTCTCTTTAGCCCT	TTTTTAGATTTTG		5506
DB	2676	ATCAATTTCTACAG	CTTTCCCTCCCATCCCT	GAACTCTCTTTAGCCCT	TTTTTAGATTTTG		2735
QY	5507	GCATGTGAACCCCT	CGTGGAAACCTGAGT	GCACCTCCCTCCCA	CCAAAGAGTCCACAG		5566
DB	2736	GCATGTGAACCCCT	CGTGGAAACCTGAGT	GCACCTCCCTCCCA	CCAAAGAGTCCACAG		2795
QY	5567	ACCTTTTCATCTTT	CACGAACTTGATCTCTGTT	TAGCAGTGGTAA	TACCATCGGTGCTGTGA		5626
DB	2796	ACCTTTTCATCTTT	CACGAACTTGATCTCTGTT	TAGCAGTGGTAA	TACCATCGGTGCTGTGA		2855
QY	5627	CACATAACAGTCAT	TTGAGAGTGGGAGAGT	CCCTTTTCCCTTGGAC	TGTATCTTTTCAA		5686
DB	2856	CACATAACAGTCAT	TTGAGAGTGGGAGAGT	CCCTTTTCCCTTGGAC	TGTATCTTTTCAA		2915
QY	5687	CTATTGTTTATCCT	GTCTTTTGGGGGCAATGT	GTCAAAAGTCCCT	CAGGAAATTTTCAGA		5746
DB	2916	CTATTGTTTATCCT	GTCTTTTGGGGGCAATGT	GTCAAAAGTCCCT	CAGGAAATTTTCAGA		2975
QY	5747	GGAAAGAACATTTT	TATGAGGCTTTCTCTAAAGTTT	CCTTTGTATAGAGAT	TGCTCACTT		5806
DB	2976	GGAAAGAACATTTT	TATGAGGCTTTCTCTAAAGTTT	CCTTTGTATAGAGAT	TGCTCACTT		3035
QY	5807	AAATTTTACAGAA	GAGGTGAGCTGTGT	TTAAACCTCAGAGT	TTTTAAAGCTACTGATAA		5866
DB	3036	AAATTTTACAGAA	GAGGTGAGCTGTGT	TTAAACCTCAGAGT	TTTTAAAGCTACTGATAA		3095
QY	5867	GAAGAAAGTGCTAT	ATTGGAACCTPAGGGT	CATTTGAAAGCTTCAGT	CTCGGAACATGACC		5926
DB	3096	GAAGAAAGTGCTAT	ATTGGAACCTPAGGGT	CATTTGAAAGCTTCAGT	CTCGGAACATGACC		3155
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Db 93 TGTCTTACGCTTCTCTCAGGAAAAACATGACGTCCCTCTAGTGTCTTTCATGTACATTCTGT 34
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Db 33 GGGGGGTGA 25

RESULT 8

US-09-736-457-403/c
; Sequence 403, Application US/09736457

; Patent No. 6509448

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

; APPLICANT: Fan, Liqun

; APPLICANT: Wang, Aijun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.478C15

; CURRENT APPLICATION NUMBER: US/09/736,457

; CURRENT FILING DATE: 2000-12-13

; NUMBER OF SEQ ID NOS: 1864

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 403

; LENGTH: 440

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (1)...(440)

; OTHER INFORMATION: n = A,T,C or G

US-09-736-457-403

Query Match 1.7%; Score 138; DB 4; Length 440;
Best Local Similarity 99.5%; Pred. No. 4.4e-54;
Matches 188; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6363 GGAGAGGAGGTGCTTAAGTCTGACTGCTAGCTAGTTCGGGCAAAATCCTCCAAAG 6422
Db 213 GGAGAGGAGGTGCTTAAGTCTGACTGCTAGCTAGTTCGGGCAAAATCCTCCAAAG 154
QY 6423 GGAAGGGAGGATTGCTTAGAAGGATGGGCTCCAGTGACTACTTTTGACTTCTGT 6482
Db 153 GGAAGGGAGGATTGCTTAGAAGGATGGGCTCCAGTGACTACTTTTGACTTCTGT 94

QY 6483 TGTCTTACGCTTCTCTCAGGAAAAACATGACGTCCCTCTAGTGTTCATGTACATTCTGT 6542
Db 93 TGTCTTACGCTTCTCTCAGGAAAAACATGACGTCCCTCTAGTGTTCATGTACATTCTGT 34

QY 6543 GGGGGGTGA 6551

Db 33 GGGGGGTGA 25

RESULT 9

US-09-614-124B-403/c

; Sequence 403, Application US/09614124B

; Patent No. 6630574

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

Query Match 1.7%; Score 138; DB 4; Length 440;
Best Local Similarity 99.5%; Pred. No. 4.4e-54;
Matches 188; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.478C9

; CURRENT APPLICATION NUMBER: US/09/614,124B

; CURRENT FILING DATE: 2001-07-11

; NUMBER OF SEQ ID NOS: 1668

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 403

; LENGTH: 440

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (1)...(440)

; OTHER INFORMATION: n = A,T,C or G

US-09-614-124B-403

Query Match 1.7%; Score 138; DB 4; Length 440;
Best Local Similarity 99.5%; Pred. No. 4.4e-54;
Matches 188; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6363 GGAGAGGAGGTGCTTAAGTCTGACTGCTAGTTCGGGCAAAATCCTCCAAAG 6422
Db 213 GGAGAGGAGGTGCTTAAGTCTGACTGCTAGTTCGGGCAAAATCCTCCAAAG 154

QY 6423 GGAAGGGAGGATTGCTTAGAAGGATGGGCTCCAGTGACTACTTTTGACTTCTGT 6482
Db 153 GGAAGGGAGGATTGCTTAGAAGGATGGGCTCCAGTGACTACTTTTGACTTCTGT 94

QY 6483 TGTCTTACGCTTCTCTCAGGAAAAACATGACGTCCCTCTAGTGTTCATGTACATTCTGT 6542
Db 93 TGTCTTACGCTTCTCTCAGGAAAAACATGACGTCCCTCTAGTGTTCATGTACATTCTGT 34

QY 6543 GGGGGGTGA 6551

Db 33 GGGGGGTGA 25

RESULT 10

US-09-671-325-403/c

; Sequence 403, Application US/09671325

; Patent No. 6667154

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaitanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

; APPLICANT: Fan, Liqun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.478C12

; CURRENT APPLICATION NUMBER: US/09/671,325

; CURRENT FILING DATE: 2000-09-26

; NUMBER OF SEQ ID NOS: 1825

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 403

; LENGTH: 440

; TYPE: DNA

; ORGANISM: Homo sapien

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (1)...(440)

; OTHER INFORMATION: n = A,T,C or G

US-09-671-325-403


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; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 1689
; LENGTH: 506
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 28..324
; NAME/KEY: sig peptide
; LOCATION: 28..264
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 5
; OTHER INFORMATION: seq LFTSFVILQLQA/IW
US-09-621-976-1689
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Best Local Similarity 100.0%; Pred.No. 2.2e-16;
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Qy 161 TGTCAGGCTCTGAGCCCAAGCCCAAGCCATCGCATCCCTGTGACTTGCAAGTATAC 217
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Db 329 TGTCAGGCTCTGAGCCCAAGCCCAAGCCATCGCATCCCTGTGACTTGCAAGTATAC 273
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RESULT 15

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US-09-833-381-1017/c
; Sequence 1017, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1017
; LENGTH: 629
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(629)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1017
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Best Local Similarity 100.0%; Pred.No. 2.2e-16;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 161 TGTCAGGCTCTGAGCCCAAGCCCAAGCCATCGCATCCCTGTGACTTGCAAGTATAC 217
    |||||||
Db 411 TGTCAGGCTCTGAGCCCAAGCCCAAGCCATCGCATCCCTGTGACTTGCAAGTATAC 355
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Search completed: May 3, 2004, 17:20:09
Job time : 364 secs
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